



CHART PROGRAM

EORS R7

DETAILED DESIGN

Version 1.1
Work Order 08 Deliverable 2
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Date: January 4, 2017

Prepared by: The CSRA logo features the company name "CSRA" in a bold, blue, sans-serif font. To the right of the text is a stylized graphic element consisting of three horizontal bars of increasing length from left to right, colored red, white, and blue.

Approved via separate Deliverable Acceptance Form per RFP section 3.9.2

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1.1 Purpose and Scope

1.1.1 Purpose

This document describes the design of the software for EORS WO 8 Release 7. EORS WO 8 Release 7 release provides the new features listed below. These features are being developed under work order WO 8.

- **WO 8 Tasks:** Several problem reports are addressed in this release. Following is a list of these PRs, with their identifying number and short description:
 - **Navigation Bar** - The navigation bar is used by all EORS users to navigate the EORS application.
 - **Event Shop Reporting** - The Events module allows users to declare emergency events and for shop to report and track their event response activities. It provides EORS users all basic CRUD functionality on shop reports and report searching capabilities. It also supports event administrative functions such as moving shop reports between events and deleting events.
 - **Shop Materials Usage** - The Shop Materials Usage module allows users to enter the amount of materials used by each shop after an event.
 - **Salt Usage Report** - Salt Usage Report is a Microsoft SQL Server Reporting Services report that provides salt usage and snowfall accumulation data for winter events.
 - **Time to Restore Bare Pavement Report** - Time to Restore Bare Pavement Report is a Microsoft SQL Server Reporting Services report that provides performance metrics for winter events. Specifically it provides information on how long it takes each shop to restore roads to clear or wet conditions after frozen precipitation ceases.
 - **Winter Operations Performance Report** - Winter Operations Performance Report is a Microsoft SQL Server Reporting Services report that provides performance metrics for winter events.
 - **Create Statewide Ops Plan** - The Create Statewide Ops Plan module is used to generate a PDF document that provides information related to weather, equipment and planned activities for shops and districts.
 - **EOC Plans** - Districts use EOC Plans to provide information related to planned activities and current conditions at the shop and district level.
 - **Weather Data** - Weather Data is a data store populated by importing text and image weather data from the Meridian weather service.

1.1.2 Scope

The main objective of this detailed design document is to provide software developers with a framework in which to implement the requirements identified in the EORS WO 8 Requirements document. A mapping of requirements to the design is presented in Appendix A (Mapping to Requirements).

1.2 Project Executive Summary

The main objective of this detailed design document is to provide software developers with a framework in which to implement the requirements identified in the EORS WO 8 Requirements document. The overall contents of WO 8 are summarized in Section 1.2.

Design Process

The design was created by capturing the requirements of the system in UML Use Case diagrams. Class diagrams, as needed, were generated showing the high level objects that address the Use Cases. Sequence diagrams were generated to show how each piece of major functionality will be achieved. This process was iterative in nature – the creation of sequence diagrams sometimes caused re-engineering of the class diagrams, and vice versa.

Design Tools

The work products contained within this design were extracted from the Gliffy design tool. Within this tool, the design is contained in the project named “WO08” on Confluence portal.

Work Products

The final EORS WO 8 design consists of the following work products:

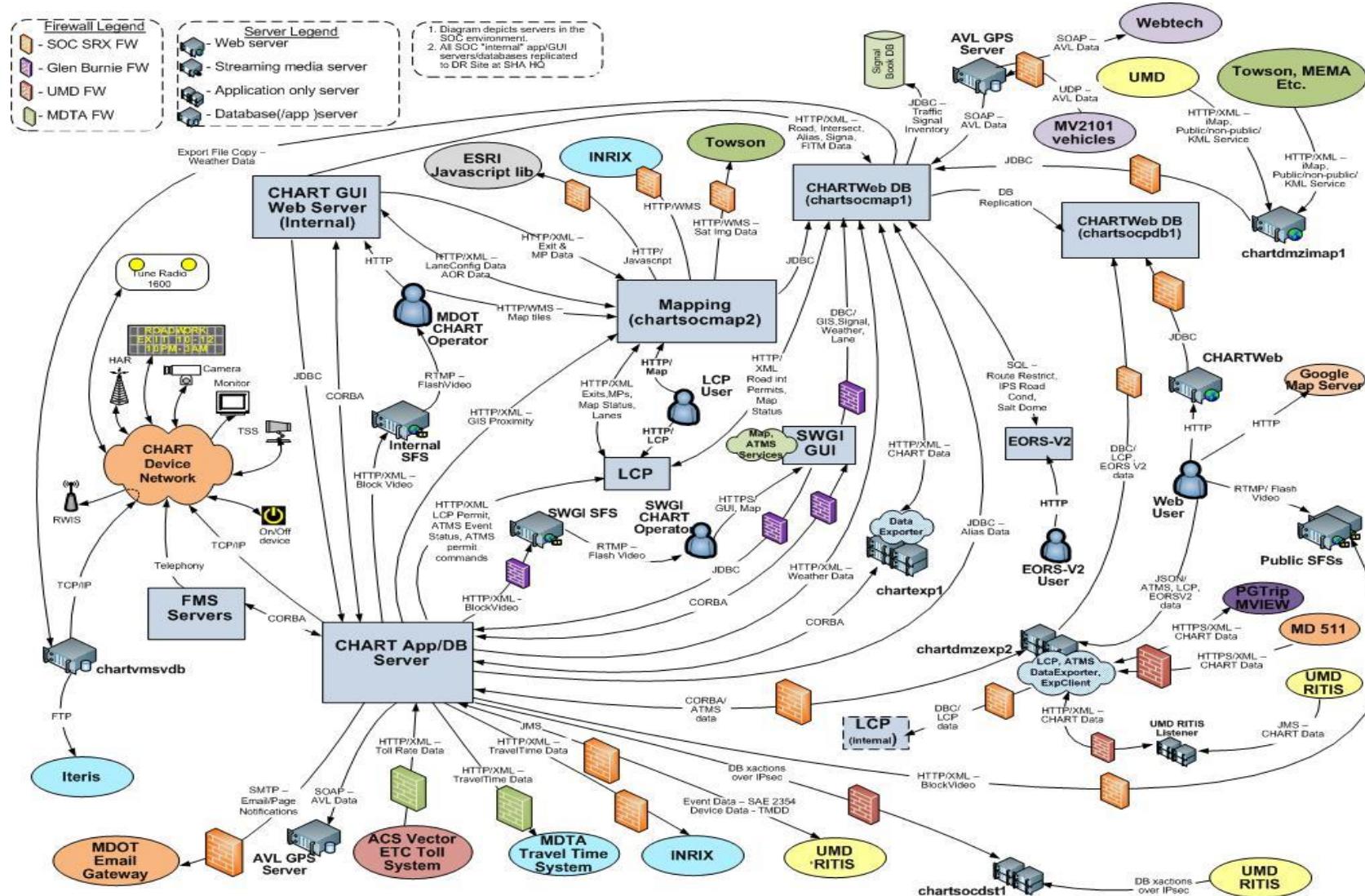
- Human-Machine Interface section which provides descriptions of the screens that are changing or being added in order to allow the user to perform the described uses.
- Use Case diagrams that capture the requirements of the system
- UML Sequence diagrams showing how the classes interact to accomplish major functions of the system

Requirement Verification Traceability Matrix that shows how this design meets the documented requirements for this feature

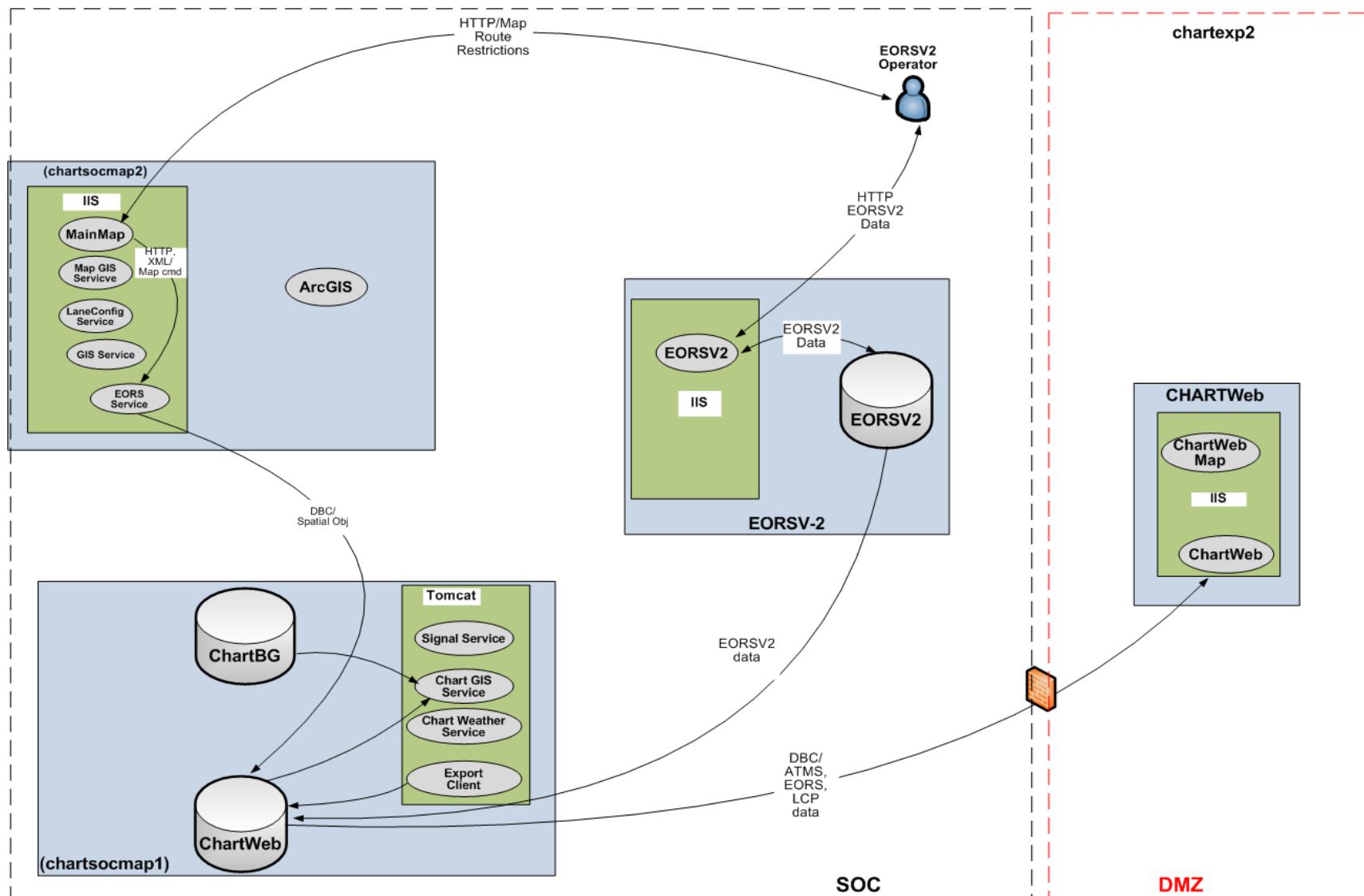
1.2.1 System Overview

EORS is a web-based application. The majority of operations EORS users will perform relate to SHA’s response to conditions that adversely affect Maryland roads. In fact, most of the work you do will involve winter storm events. However, EORS also provides you with the ability to work with non-winter emergency events.

Figure 1-1 provides an overall CHART systems architecture. Figure 1-2 provides an overall EORS architecture.



1-1. CHART and External Interfaces



1-2. EORS Detailed Architecture

A matrix of requirements to the design is presented in Appendix A (Mapping to Requirements).

1.2.2 Design Constraints

No design constraints have been identified for WO 8.

1.2.3 Future Contingencies

No future contingencies have been identified for WO 8.

1.3 Document Organization

Section 1 of this document is the introduction.

Section 2 describes the system architecture.

Section 3 describes the file and database design.

Section 4 describes the human –machine interface

Section 5 describes the detailed design with additional detailed content (detailed diagrams)

Section 6 describes the interfaces external to EORS.

Section 7 describes the system integrity controls.

1.4 Points of Contact

The key members of the staff are listed below:

CSRA Operations Manager: Sam Jallad (410-872-2120)

CSRA Program Manager: Laura Nicholas (678-861-6569)

CSRA Project Manager: Gary Krebs (678-838-9935)

System Administrator: Kenny Gross (410-582-5680)

Application Delivery Manager: Chris Brennan (410-872-2124)

EORS Development lead: Paul Mink (410-582-5684)

Database Administrator: Nach Periyanan (703-508-1308)

Configuration Manager: Delena McFadden-Mello (410-872-2122)

Configuration Manager: Mike Fleming (410-872-2127)

System Test: Rick Saffery (410-872-2133)

System Test: Asha Khatri (410-872-2130)

CHART Project Manager: Dale Lineweaver (410-582-5695)

CHART Project Manager: Dave Rossbach (410-582-5545)

CHART Program Administrator: Rick Dye (410-582-5619)

1.5 Project References

The following are the list of the relevant WO 8 documents. Note that not all are updated for these specific releases:

1. *WO8 Del 1 EORS R7 2016 Tasks Software Requirements*, September 20, 2016, WO08

1.6 Glossary

TERM	DESCRIPTION
AJAX	Asynchronous Javascript and XML
API	Application Programming Interface
ATMS	Advance Traffic Management System
CHART	Coordinated Highways Action Response Team
COTS	Commercial Off The Shelf [software or equipment]
CRUD	Create, Read, Update, and Delete (the four standard actions which can be performed on a database table).
DBMS	Database Management System
ERD	Entity Relationship Diagram, used to show the relationship between tables in an RDBMS
Functional Right	A user right, granted to CHART users via Roles. Each operation on a device, including the ability to configure a device, view its sensitive information, and issue commands to the device are controlled by user rights. Users must possess the proper right to be able to perform these actions.
GB	Gigabytes
GIF	Graphic Interchange Format (picture file)
GIS	A Geographic Information System (GIS) is any system that captures, stores, analyzes, manages, and presents data that are linked to location
GUI	Graphical User Interface
HTML	HyperText Markup Language
HTTP	HyperText Transfer Protocol
KB	Kilobytes
LCP	Lane Closure Permit, a permit for closure of a road for maintenance, or the system used to manage those permits.
MB	Megabytes
MSSQL	Microsoft SQL [Server], the DBMS used in CHART.
PDF	Portable Document Format
PR	Problem Report
RDBMS	Relational DBMS
REST	Representational State Transfer
RPC	Remote Procedure Call
SDK	Software Development Kit
SHA	State Highway Administration
SOC	Statewide Operations Center
SQL	Structured Query Language
UCD	Use Case Diagram. Depicts a collection of Use Cases.

TERM	DESCRIPTION
UML	Unified Modeling Language
XML	Extensible Markup Language

2

SYSTEM ARCHITECTURE

The sections below discuss specific elements of the architecture and software components that are created, changed, or used in EORS Release 7.

2.1 System Hardware Architecture

EORS WO 8 features do not impact the hardware architecture of the EORS system.

2.2 System Software Architecture

EORS uses the Microsoft .NET Framework and ASP.NET architecture with the DotNetNuke DNN framework for web application development. Except where noted in the subsections below, WO 8 features do not impact the software architecture of the EORS.

2.2.1 COTS Products

EORS uses numerous COTS products for both run-time and development. Table 2-1 contains existing and new COTS products.

Table 2-1. EORS COTS Products

Product Name	Version	Description/Purpose	redistributable	Usage
Microsoft SQL Server	2008 R2	EORS uses Microsoft SQL Server 2008 to host its databases.	Proprietary	Runtime
Microsoft Visual Studio (including .NET 4.5)	2013 Ultimate	EORS uses Microsoft Visual Studio 2012 Ultimate for C# source code development. Necessary library files are used in the runtime environment.	Proprietary	Development Runtime
Microsoft Windows	2008 Server	EORS uses Microsoft Windows 2008 Server as its standard runtime platform for the EORS application/database servers.	Proprietary	Runtime
RedGate SQL Backup Pro	6	EORS uses these parts of the RedGate DBA Bundle monitoring tools to support the backup and restore processes and to monitor database performance	Proprietary	Runtime
RedGate SQL Monitor	2.3.0	EORS uses the DotNetNuke application framework.	Open source	Development
DotNetNuke	7.1			

Product Name	Version	Description/Purpose	redistributable	Usage
Subversion	1.6	EORS uses Apache Subversion for source code control.	Open source	Development
Subversion browser TortoiseSVN	1.6.15	Official EORS builds use TortoiseSVN subversion browser. Some developers may use TortoiseSVN as well.	Open source	Development
vRanger Backup & Replication	5.3.1	The CHART Program uses vRanger Backup & Replication by Quest Software to maintain system backups. This subsystem is not part of the EORS per se, but serves in a support role. Therefore it is listed as having Administrative usage, rather than Runtime usage.	Proprietary	Administrative

2.2.2 Component Deployment

The EORS modules being updated: Create Statewide Ops and SQL Reports

2.2.3 Internal Interfaces

This EORS WO 8 system did not have any added internal interfaces

2.3 Internal Communications Architecture

The overall communications architecture of EORS is depicted in Figure 1-2. There are no internal communications architecture changes for EORS WO 8.

3 FILE AND DATABASE DESIGN

EORS stores most of its data in a non-spatial MS SQL Server database. Additionally, location aliases are stored in a spatial SQL Server database. Some data is stored in flat files on the EORS servers.

This section describes all of these types of data.

3.1 Data

3.1.1 EORS

3.1.1.1 Overview

An overview of the changes made to the EORS database design for Release 7 features are described below.

Database Architecture

Except as noted, EORS WO 8 Release 7 features do not impact the overall architecture of the EORS database.

3.1.1.2 Database Architecture

Except as noted, EORS WO 8 Release 7 features do not impact the overall architecture of the EORS database. Contains logical design

3.1.1.2.1 Function to Entity Matrix Report

The Create, Retrieve, Update, Delete (CRUD) matrix cross-references business functions to entities and shows the use of the entities by those functions. This report is generated as part of the EORS O&M Guide.

3.1.1.2.2 Table Definitions

Model

Type: Package

Package:

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Affiliates

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	Affiliated	int	True	True	0	0	0		
False	VendorId	int	False	False	0	0	0		
False	StartDate	datetime	False	False	0	23	3		
False	EndDate	datetime	False	False	0	23	3		

False	CPC	float	True	False	0	53	0			
False	Clicks	int	True	False	0	0	0			
False	CPA	float	True	False	0	53	0			
False	Acquisitions	int	True	False	0	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Affiliates	Public	AffiliateId		

Announcements

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	CreatedDate	datetime	False	False	0	23	3		
False	Title	nvarchar	False	False	150	0	0		
False	URL	nvarchar	False	False	150	0	0		
False	ExpireDate	datetime	False	False	0	23	3		
False	Description	ntext	False	False	0	0	0		
False	ViewOrder	int	False	False	0	0	0		
False	CreatedByUser	int	True	False	0	0	0		
False	PublishDate	datetime	False	False	0	23	3		
False	ImageSource	nvarchar	False	False	250	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Announcements	Public	ItemID		
IX_Announcements	Public	ModuleID		

AnonymousUsers

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserID	char	True	True	36	0	0		
True	PortalID	int	True	True	0	0	0		
False	TabID	int	True	False	0	0	0		
False	CreationDate	datetime	True	False	0	23	3	(getda te())	
False	LastActiveDate	datetime	True	False	0	23	3	(getda te())	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_AnonymousUsers	Public	UserID PortalID		

Assemblies

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	AssemblyID	int	True	True	0	0	0		
False	PackageID	int	True	False	0	0	0		
False	AssemblyName	nvarchar	True	False	250	0	0		
False	Version	nvarchar	True	False	20	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_PackageAssemblies	Public	AssemblyID		

Authentication

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	AuthenticationID	int	True	True	0	0	0		
False	PackageID	int	True	False	0	0	0	((-1))	
False	Authentication Type	nvarchar	True	False	100	0	0		
False	IsEnabled	bit	True	False	0	1	0	(0)	
False	SettingsControlSrc	nvarchar	True	False	250	0	0		
False	LoginControlSrc	nvarchar	True	False	250	0	0		
False	LogoffControlSrc	nvarchar	True	False	250	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Authentication	Public	AuthenticationID		

Banners

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	BannerId	int	True	True	0	0	0		
False	VendorId	int	True	False	0	0	0		
False	ImageFile	nvarchar	False	False	100	0	0		
False	BannerName	nvarchar	True	False	100	0	0		
False	Impressions	int	True	False	0	0	0		
False	CPM	float	True	False	0	53	0		
False	Views	int	True	False	0	0	0	(0)	
False	ClickThroughs	int	True	False	0	0	0	(0)	
False	StartDate	datetime	False	False	0	23	3		
False	EndDate	datetime	False	False	0	23	3		
False	CreatedByUser	nvarchar	True	False	100	0	0		
False	CreatedDate	datetime	True	False	0	23	3		
False	BannerTypeId	int	False	False	0	0	0		
False	Description	nvarchar	False	False	200	0	0		
False	GroupName	nvarchar	False	False	100	0	0		
False	Criteria	bit	True	False	0	1	0	(1)	
False	URL	nvarchar	False	False	255	0	0		
False	Width	int	True	False	0	0	0	(0)	
False	Height	int	True	False	0	0	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Banner	Public	BannerId		
IX_Banners	Public	BannerTypeId		
IX_Banners_1	Public	VendorId		

Blog_Blogs

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	PortalID	int	True	False	0	0	0		
True	BlogID	int	True	True	0	0	0		
False	UserID	int	True	False	0	0	0		
False	Title	nvarchar	True	False	255	0	0		
False	Description	nvarchar	False	False	102	0	0		
False	Public	bit	True	False	0	1	0		
False	AllowComments	bit	True	False	0	1	0		
False	AllowAnonymous	bit	True	False	0	1	0		
False	LastEntry	datetime	False	False	0	23	3		
False	Created	datetime	True	False	0	23	3	(getut cdate())	

False	ShowFullName	bit	True	False	0	1	0			
False	DateFormat	nvarchar	True	False	50	0	0			
False	Culture	nvarchar	False	False	10	0	0			
False	TimeZone	int	True	False	0	0	0			
False	ParentBlogID	int	False	False	0	0	0	((-1))		
False	Syndicated	bit	True	False	0	1	0			
False	SyndicateIndependent	bit	True	False	0	1	0			
False	SyndicationURL	nvarchar	False	False	1024	0	0			
False	SyndicationEmail	nvarchar	False	False	255	0	0			
False	EmailNotification	bit	False	False	0	1	0			
False	AllowTrackbacks	bit	False	False	0	1	0			
False	AutoTrackback	bit	False	False	0	1	0			
False	MustApproveComments	bit	False	False	0	1	0			
False	MustApproveAnonymous	bit	False	False	0	1	0			
False	MustApproveTrackbacks	bit	False	False	0	1	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Blog_Blogs_BlogID	Public	BlogID		
IX_Blog_Blogs_PortalID	Public	PortalID		
IX_Blog_Blogs.UserID	Public	UserID		

Blog_Comments

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	CommentID	int	True	True	0	0	0		
False	EntryID	int	True	False	0	0	0		
False	UserID	int	False	False	0	0	0		
False	Comment	ntext	True	False	0	0	0		
False	AddedDate	datetime	True	False	0	23	3		
False	Title	nvarchar	True	False	255	0	0		
False	Approved	bit	False	False	0	1	0		
False	Author	nvarchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Blog_Comments_CommentID	Public	CommentID		
IX_Blog_Comments_EntryID	Public	EntryID		

Blog_Entries

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	BlogID	int	True	False	0	0	0		
True	EntryID	int	True	True	0	0	0		
False	Title	nvarchar	True	False	255	0	0		
False	Entry	ntext	True	False	0	0	0		
False	AddedDate	datetime	True	False	0	23	3		
False	Published	bit	True	False	0	1	0		
False	Description	nvarchar	False	False	102 4	0	0		
False	AllowComments	bit	False	False	0	1	0		
False	DisplayCopyright	bit	True	False	0	1	0		
False	Copyright	nvarchar	False	False	255	0	0		
False	PermaLink	nvarchar	False	False	102 4	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Blog_Entries_EntryID	Public	EntryID		
IX_Blog_Entries_AddedDa te	Public	AddedDate		
IX_Blog_Entries_BlogID	Public	BlogID		

Blog_Settings

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PortalID	int	True	True	0	0	0		
True	Key	nvarchar	True	True	50	0	0		
False	Value	nvarchar	True	False	102 4	0	0		
True	TabID	int	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Blog_Settings	Public	PortalID TabID Key		

Classification

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ClassificationId	int	True	True	0	0	0		
False	ClassificationName	nvarchar	True	False	200	0	0		
False	ParentId	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_VendorCategory	Public	ClassificationId		
IX_Classification	Public	ParentId		

DNNMasters_UIM_HelperSettings

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	skey	varchar	False	False	50	0	0		
False	svalue	varchar	False	False	256	0	0		

DNNMasters_UIM_MLSP_Permissions

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	PermissionFeature_ID	int	True	False	0	0	0		
False	PermissionName	nvarchar	True	False	25	0	0		
False	PermissionDescription	nvarchar	True	False	50	0	0		
False	BusinessControllerClass	nvarchar	True	False	200	0	0		
False	Abbreviation	nvarchar	False	False	5	0	0		

DNNMasters_UIM_MLSP_UserPermissions

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	UserPermission_ID	int	True	False	0	0	0		
False	DNNUser_ID	int	True	False	0	0	0		
False	PermissionFeature_ID	int	True	False	0	0	0		
False	IsUser	bit	True	False	0	1	0		

DesktopModules

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	DesktopModuleID	int	True	True	0	0	0		
False	FriendlyName	nvarchar	True	False	128	0	0		
False	Description	nvarchar	False	False	200	0	0		
False	Version	nvarchar	False	False	8	0	0		
False	IsPremium	bit	True	False	0	1	0		
False	isAdmin	bit	True	False	0	1	0		
False	BusinessControllerClass	nvarchar	False	False	200	0	0		
False	FolderName	nvarchar	True	False	128	0	0		
False	ModuleName	nvarchar	True	True	128	0	0		
False	SupportedFeatures	int	True	False	0	0	0	(0)	
False	CompatibleVersions	nvarchar	False	False	500	0	0		
False	Dependencies	nvarchar	False	False	400	0	0		
False	Permissions	nvarchar	False	False	400	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_DesktopModules	Public	DesktopModuleID		
IX_DesktopModules_ModuleName	Public	ModuleName		
IX_DesktopModules_FriendlyName	Public	FriendlyName		

DnnForge_SimpleGallery_Album

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre	Scal	Init	Notes
----	------	------	----------	--------	-----	-----	------	------	-------

					c	e		
True	AlbumID	int	True	True	0	0	0	
False	ModuleID	int	True	False	0	0	0	
False	Caption	nvarchar	True	False	255	0	0	
False	IsPublic	bit	True	False	0	1	0	(0)
False	HomeDirectory	nvarchar	True	False	255	0	0	
False	ParentAlbumID	int	True	False	0	0	0	((-1))
False	Description	nvarchar	False	False	255	0	0	
False	Password	nvarchar	False	False	50	0	0	
False	AlbumOrder	int	True	False	0	0	0	(0)

Constraints

Name	Type	Columns	Initial Code	Notes
PK_DnnForge_SimpleGallery_Album	Public	AlbumID		

DnnForge_SimpleGallery_Photo

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PhotoID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	Name	nvarchar	True	False	100	0	0		
False	FileName	nvarchar	True	False	255	0	0		
False	DateCreated	datetime	True	False	0	23	3		
False	Width	int	True	False	0	0	0		
False	Height	int	True	False	0	0	0		
False	AlbumID	int	False	False	0	0	0		
False	IsDefault	bit	True	False	0	1	0	(0)	
False	AuthorID	int	False	False	0	0	0		
False	ApproverID	int	False	False	0	0	0		
False	IsApproved	bit	True	False	0	1	0	(1)	
False	DateApproved	datetime	False	False	0	23	3		
False	DateUpdated	datetime	False	False	0	23	3		
False	Description	ntext	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_DnnForge_SimpleGallery_Photo	Public	PhotoID		

DnnForge_SimpleGallery_Template

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes

True	TemplateID	int	True	True	0	0	0			
False	ModuleID	int	True	False	0	0	0			
False	Name	nvarchar	True	False	255	0	0			
False	Template	ntext	True	False	0	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_DnnForge_SimpleGallery_Template	Public	TemplateID		

Documents

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	CreatedDate	datetime	False	False	0	23	3		
False	URL	nvarchar	False	False	250	0	0		
False	Title	nvarchar	False	False	150	0	0		
False	Category	nvarchar	False	False	50	0	0		
False	CreatedByUserID	int	False	False	0	0	0		
False	OwnedByUserID	int	False	False	0	0	0		
False	ModifiedByUserID	int	False	False	0	0	0		
False	ModifiedDate	datetime	False	False	0	23	3		
False	SortOrderIndex	int	False	False	0	0	0		
False	Description	nvarchar	False	False	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Documents	Public	ItemID		
IX_Documents	Public	ModuleID		

DocumentsSettings

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModuleID	int	True	True	0	0	0		
False	ShowTitleLink	bit	False	False	0	1	0		
False	SortOrder	nvarchar	False	False	200	0	0		
False	DisplayColumns	nvarchar	False	False	200	0	0		
False	UseCategoriesList	bit	False	False	0	1	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_DocumentsSettings	Public	ModuleID		

EORS_Common_County

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ID	uniqueid entifier	True	True	0	0	0		
False	county	int	True	False	0	0	0		
False	name	varchar	True	False	20	0	0		
False	abrv	varchar	True	False	2	0	0		
False	district	int	True	False	0	0	0		
False	fips	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK__EORS__COMMON__C ounty	Public	ID		
IX_EORS_Common_Coun ty_county	Public	county		

Relationships

Columns	Association	Notes
(countyID = ID)	0..* EORS_RWIS_Info.FK_EORS_RWIS_Info_county 1 EORS_Common_County.PK__EORS_COMMON_Cou nty	
(countyID = ID)	0..* EORS_Snow_Emergency.FK_EORS_Snow_Emergenc y_countyID 1 EORS_Common_County.PK__EORS_COMMON_Cou nty	

EORS_Common_Direction

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ID	uniqueid entifier	True	True	0	0	0		
False	abrv_txt	varchar	True	False	5	0	0		

False	full_txt	varchar	True	False	20	0	0			
False	ordinal	smallint	True	False	0	5	0			
False	chart_id	smallint	True	False	0	5	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Common_Direction	Public	ID		
IX_EORS_Common_Direction_ordinal	Public	ordinal		

EORS_Common_Existing_Seasons

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	seasonID	uniqueidentifier	True	True	0	0	0	(newid())	
False	season	varchar	False	False	9	0	0		
False	start_date	datetime	True	False	0	23	3		
False	end_date	datetime	True	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Common_Exis_181AEBB0	Public	seasonID		
IX_EORS_Common_Existing_Seasons_season	Public	season		

Relationships

Columns	Association	Notes
(seasonID = seasonID)	0..* EORS_Event.FK_EORS_Event_SeasonID 1 EORS_Common_Existing_Seasons.PK_EORS_Common_Exis_181AEBB0	
(seasonID = seasonID)	0..* EORS_Rates.FK_EORS_Rates_EORS_Common_Existing_Seasons_season 1 EORS_Common_Existing_Seasons.PK_EORS_Common_Exis_181AEBB0	

EORS_Common_Intersecting_Route

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes

True	ID	uniqueid entifier	True	True	0	0	0			
False	Road_name1	varchar	False	False	35	0	0			
False	Rte_Type1_ID	uniqueid entifier	False	False	0	0	0			
False	Rte_No1	float	False	False	0	53	0			
False	start_county_ID	uniqueid entifier	False	False	0	0	0			
False	District1	int	False	False	0	0	0			
False	Road_Name2	varchar	False	False	35	0	0			
False	Rte_Type2_ID	uniqueid entifier	False	False	0	0	0			
False	Rte_No2	float	False	False	0	53	0			
False	end_county_ID	uniqueid entifier	False	False	0	0	0			
False	District2	int	False	False	0	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Common_Inter secting_Route	Public	ID		

EORS_Common_Route_Type

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ID	uniqueid entifier	True	True	0	0	0		
False	abrv_txt	varchar	True	False	5	0	0		
False	full_txt	varchar	False	False	20	0	0		
False	ordinal	smallint	True	False	0	5	0		
False	chart_id	smallint	False	False	0	5	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Common_Rou te_Type	Public	ID		
IX_EORS_Common_Rout e_Type_ordinal	Public	ordinal		

EORS_Common_Shop

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	shopID	uniqueid	True	True	0	0	0	(newid)	

		entifier						()	
False	shop	varchar	True	False	4	0	0		
False	name	varchar	True	False	35	0	0		
False	county	uniqueid entifier	False	False	0	0	0		
False	shortname	varchar	False	False	35	0	0		
False	district	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Common_Shop	Public	shopID		

Relationships

Columns	Association	Notes
(shopID = shopID)	0..* EORS_Event_Shop_Report_Materials.FK_EORS_Event_Shop_Report_Materials_shopID 1 EORS_Common_Shop.PK_EORS_Common_Shop	
(shopID = shopID)	0..* EORS_Event_Shop_Reports.fk_eors_event_shop_reports_shopID 1 EORS_Common_Shop.PK_EORS_Common_Shop	
(shopID = shopID)	0..* EORS_Rates.FK_EORS_Rates_EORS_Common_Shops_shop 1 EORS_Common_Shop.PK_EORS_Common_Shop	

EORS_Common_Shop_RWIS_LKP

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	shopID	uniqueid entifier	True	True	0	0	0		
False	primary_RWIS	varchar	False	False	100	0	0		
False	secondary_RWIS	varchar	False	False	100	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Common_Shop_RWIS_LKP	Public	shopID		

EORS_Common_Shop_lanemiles

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre	Scal	Init	Notes
----	------	------	----------	--------	-----	-----	------	------	-------

						c	e		
False	shop	varchar	True	False	4	0	0		
False	lanemiles	float	True	False	0	53	0		
False	season	varchar	True	False	50	0	0		

EORS_Common_Shop_lanemiles_bak

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	shop	varchar	True	False	4	0	0		
False	lanemiles	float	True	False	0	53	0		
False	season	varchar	True	False	50	0	0		

EORS_Common_Shop_lanemiles_tmp

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	shop	varchar	True	False	4	0	0		
False	lanemiles	float	True	False	0	53	0		
False	season	varchar	True	False	9	0	0		

EORS_Common_Zone_Road_Types

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	shop	varchar	True	False	4	0	0		
False	shopID	uniqueid entifier	False	False	0	0	0		
False	zone	int	True	False	0	0	0		
False	has_interstate	bit	True	False	0	1	0		
False	has_primary	bit	True	False	0	1	0		
False	has_secondary	bit	True	False	0	1	0		
False	rowguid	uniqueid entifier	True	False	0	0	0		

EORS_EOC_Operations_Plans

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	Update_Time	datetime	True	False	0	23	3	(getda te())	
False	District	int	True	False	0	0	0		
False	Shop	varchar	False	False	4	0	0		
False	Log_Data	varchar	False	False	102 4	0	0		
False	Dumpers	int	True	False	0	0	0	((0))	
False	Loaders	int	True	False	0	0	0	((0))	
False	Graders	int	True	False	0	0	0	((0))	
False	Blowers	int	True	False	0	0	0	((0))	
False	Priority_1_Anti_Ice	tinyint	True	False	0	3	0	((0))	
False	Priority_2_Anti_Ice	tinyint	True	False	0	3	0	((0))	
False	Priority_3_Anti_Ice	tinyint	True	False	0	3	0	((0))	
False	Priority_1_Anti_Ice _Begin	varchar	False	False	50	0	0		
False	Priority_2_Anti_Ice _Begin	varchar	False	False	50	0	0		
False	Priority_3_Anti_Ice _Begin	varchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_EOC_Operati _5D27D404	Public	ID		

EORS_EOC_Ops_Plan_Archive

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	name	varchar	False	False	20	0	0		
False	date	datetime	False	False	0	23	3		
False	size	int	False	False	0	0	0		

EORS_Event

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	eventID	varchar	True	True	20	0	0		
False	season_event_nu m	int	True	False	0	0	0		

False	eventTypeID	uniqueid entifier	True	False	0	0	0			
False	status	bit	True	False	0	1	0			
False	displayname	varchar	True	False	100	0	0			
False	date_created	datetime	True	False	0	23	3	(getda te())		
False	date_closed	datetime	False	False	0	23	3			
False	last_report	datetime	False	False	0	23	3			
False	event_name	varchar	False	False	100	0	0			
False	notes	varchar	False	False	102	0	0			
False	snow	bit	True	False	0	1	0	((0))		
False	blizzard	bit	True	False	0	1	0	((0))		
False	ice	bit	True	False	0	1	0	((0))		
False	freezing_rain	bit	True	False	0	1	0	((0))		
False	sleet	bit	True	False	0	1	0	((0))		
False	black_ice	bit	True	False	0	1	0	((0))		
False	transportation_incident	bit	True	False	0	1	0	((0))		
False	severe_weather	bit	True	False	0	1	0	((0))		
False	hurricane	bit	True	False	0	1	0	((0))		
False	natural_disaster	bit	True	False	0	1	0	((0))		
False	man_made_disaster	bit	True	False	0	1	0	((0))		
False	radiological_incident	bit	True	False	0	1	0	((0))		
False	public_health_incident	bit	True	False	0	1	0	((0))		
False	terrorist_incident	bit	True	False	0	1	0	((0))		
False	seasonID	uniqueid entifier	True	False	0	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event	Public	eventID		
FK_EORS_Event_Season_ID	Public	seasonID		
FK_EORS_Event_eventTypeID	Public	eventTypeID		

Relationships

Columns	Association	Notes
(eventID = eventID)	0..* EORS_Event__Debris.FK_EORS_Event__Debris_eventID 1 EORS_Event.PK_EORS_Event	
(eventID = eventID)	0..* EORS_Event_Shop_Report_Materials.FK_EORS_Event_Shop_Report_Materials_eventID 1 EORS_Event.PK_EORS_Event	
(eventID = eventID)	0..* EORS_Event_Shop_Reports.fk_eors_event_shop_reports_eventID	

Columns	Association	Notes
	1 EORS_Event.PK_EORS_Event	
(eventTypeID = eventTypeID)	0..* EORS_Event.FK_EORS_Event_eventTypeID 1 EORS_Event_Types.PK_EORS_Event_Types	
(seasonID = seasonID)	0..* EORS_Event.FK_EORS_Event_SeasonID 1 EORS_Common_Existing_Seasons.PK_EORS_Common_Exis_181AEBB0	

EORS_EventMapping_Color_Codes

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	conditionID	int	True	True	0	0	0		
False	condition	varchar	True	False	25	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_EventMapping_Color_Codes	Public	conditionID		

EORS_EventMapping_Route_Directions

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	routeDirectionID	uniqueidentifier	True	True	0	0	0	(newid())	
False	route	varchar	True	False	10	0	0		
False	direction	varchar	True	False	5	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_EventMapping_Route_Directions	Public	routeDirectionID		
IDX_EORS_EventMapping_Route_Directions_route	Public	route		
IDX_EORS_EventMapping_Route_Directions_direction	Public	direction		

EORS_EventMapping_Route_Segments

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	segmentID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	route	varchar	True	False	10	0	0		
False	segment	varchar	True	False	2	0	0		
False	limits	varchar	True	False	255	0	0		
False	shopID	uniqueid entifier	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_EventMapping _Route_Segments	Public	segmentID		
IDX_EORS_EventMappin g_Route_Segments_route	Public	route		
IDX_EORS_EventMappin g_Route_Segments_shopl D	Public	shopID		

EORS_EventMapping_Segment_Conditions

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	segmentConditionl D	uniqueid entifier	True	True	0	0	0	(newid ())	
False	route_and_direction	uniqueid entifier	True	False	0	0	0		
False	segment	uniqueid entifier	True	False	0	0	0		
False	condition	varchar	True	False	255	0	0		
False	notes	varchar	False	False	102 4	0	0		
False	date	datetime	True	False	0	23	3	(getda te())	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_EventMapping _segment_conditions	Public	segmentConditionl D		

EORS_Event_IPS_Color_Codes

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
False	colorCodeID	uniqueid entifier	True	False	0	0	0	(newid ())	
False	roadConditionID	uniqueid entifier	True	False	0	0	0		
False	code	int	True	False	0	0	0		

EORS_Event_Shop_Report_Materials

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	materialsID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	eventID	varchar	True	False	20	0	0		
False	shopID	uniqueid entifier	True	False	0	0	0		
False	salt	int	True	False	0	0	0	((0))	
False	abrasives	int	True	False	0	0	0	((0))	
False	magnesium_chloride	int	True	False	0	0	0	((0))	
False	magnesium_chloride_enhanced	int	True	False	0	0	0	((0))	
False	calcium_chloride	int	True	False	0	0	0	((0))	
False	calcium_chloride_enhanced	int	True	False	0	0	0	((0))	
False	salt_brine	int	True	False	0	0	0	((0))	
False	salt_brine_enhanced	int	True	False	0	0	0	((0))	
False	potassium_acetate	int	True	False	0	0	0	((0))	
False	asphalt	int	True	False	0	0	0	((0))	
False	concrete	int	True	False	0	0	0	((0))	
False	stone	int	True	False	0	0	0	((0))	
False	sand	int	True	False	0	0	0	((0))	
False	meals	money	True	False	0	19	4	((0))	
False	misc	money	True	False	0	19	4	((0))	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Shop_Report_Materials	Public	materialsID		
FK_EORS_Event_Shop_Report_Materials_shopID	Public	shopID		
FK_EORS_Event_Shop_Report_Materials_eventID	Public	eventID		

Relationships

Columns	Association	Notes
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Columns	Association	Notes
(eventID = eventID)	0..* EORS_Event_Shop_Report_Materials.FK_EORS_Event_Shop_Report_Materials_eventID 1 EORS_Event.PK_EORS_Event	
(shopID = shopID)	0..* EORS_Event_Shop_Report_Materials.FK_EORS_Event_Shop_Report_Materials_shopID 1 EORS_Common_Shop.PK_EORS_Common_Shop	

EORS_Event_Shop_Report_Operations

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	operationsID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	opsTypeID	uniqueid entifier	True	False	0	0	0		
False	anti_icing	bit	True	False	0	1	0	((0))	
False	salting	bit	True	False	0	1	0	((0))	
False	plowing	bit	True	False	0	1	0	((0))	
False	applying_abrasive s	bit	True	False	0	1	0	((0))	
False	push_back_should ers	bit	True	False	0	1	0	((0))	
False	clearing_snow_drif ts	bit	True	False	0	1	0	((0))	
False	hauling_snow	bit	True	False	0	1	0	((0))	
False	treating_hot_spots	bit	True	False	0	1	0	((0))	
False	route_patrol	bit	True	False	0	1	0	((0))	
False	cleaning_inlets	bit	True	False	0	1	0	((0))	
False	removing_debris	bit	True	False	0	1	0	((0))	
False	clearing_trees	bit	True	False	0	1	0	((0))	
False	traffic_control	bit	True	False	0	1	0	((0))	
False	roadway_repairs	bit	True	False	0	1	0	((0))	
False	roadside_repairs	bit	True	False	0	1	0	((0))	
False	assist_other_agen cies	varchar	False	False	255	0	0		
False	other	varchar	False	False	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Shop_Report_Operations	Public	operationsID		
fk_eors_event_shop_report_operations_opsTypeID	Public	opsTypeID		

Relationships

Columns	Association	Notes
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Columns	Association	Notes
(operationsID = operationsID)	<p>0..* EORS_Event_Shop_Reports.fk_eors_event_shop_repos_operationsID 1 EORS_Event_Shop_Report_Operations.PK_EORS_Event_Shop_Report_Operations</p>	
(opsTypeID = opsTypeID)	<p>0..* EORS_Event_Shop_Report_Operations.fk_eors_event_shop_report_operations_opsTypeID 1 EORS_Event_Operations_Types.PK_EORS_Event_Operations_Types</p>	

EORS_Event_Shop_Report_Resources

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	resourcesID	uniqueidentifier	True	True	0	0	0	(newid())	
False	personnel	smallint	True	False	0	5	0	((1))	
False	dumpers	smallint	True	False	0	5	0	((0))	
False	loaders	smallint	True	False	0	5	0	((0))	
False	blowers	smallint	True	False	0	5	0	((0))	
False	graders	smallint	True	False	0	5	0	((0))	
False	excavators	smallint	True	False	0	5	0	((0))	
False	bobcats	smallint	True	False	0	5	0	((0))	
False	backhoes	smallint	True	False	0	5	0	((0))	
False	pickups	smallint	True	False	0	5	0	((0))	
False	utility_trucks	smallint	True	False	0	5	0	((0))	
False	wreckers	smallint	True	False	0	5	0	((0))	
False	chippers	smallint	True	False	0	5	0	((0))	
False	portable_DMS	smallint	True	False	0	5	0	((0))	
False	light_towers	smallint	True	False	0	5	0	((0))	
False	sewer_vacs	smallint	True	False	0	5	0	((0))	
False	sweepers	smallint	True	False	0	5	0	((0))	
False	skid_steers	smallint	True	False	0	5	0	((0))	
False	tractor_trailers	smallint	True	False	0	5	0	((0))	
False	other	smallint	True	False	0	5	0	((0))	
False	redep_personnel	smallint	True	False	0	5	0	((1))	
False	redep_dumpers	smallint	True	False	0	5	0	((0))	
False	redep_loaders	smallint	True	False	0	5	0	((0))	
False	redep_blowers	smallint	True	False	0	5	0	((0))	
False	redep_graders	smallint	True	False	0	5	0	((0))	
False	redep_excavators	smallint	True	False	0	5	0	((0))	
False	redep_bobcats	smallint	True	False	0	5	0	((0))	
False	redep_backhoes	smallint	True	False	0	5	0	((0))	
False	redep_pickups	smallint	True	False	0	5	0	((0))	
False	redep_utility_truck	smallint	True	False	0	5	0	((0))	

	s								
False	redep_wreckers	smallint	True	False	0	5	0	((0))	
False	redep_chippers	smallint	True	False	0	5	0	((0))	
False	redep_portable_D_MS	smallint	True	False	0	5	0	((0))	
False	redep_light_towers	smallint	True	False	0	5	0	((0))	
False	redep_sewer_vacs	smallint	True	False	0	5	0	((0))	
False	redep_sweepers	smallint	True	False	0	5	0	((0))	
False	redep_skid_steurs	smallint	True	False	0	5	0	((0))	
False	redep_tractor_trailers	smallint	True	False	0	5	0	((0))	
False	redep_other	smallint	True	False	0	5	0	((0))	
False	redep_notes	varchar	False	False	900	0	0		
False	con_dumpers	smallint	True	False	0	5	0	((0))	
False	con_loaders	smallint	True	False	0	5	0	((0))	
False	con_blowers	smallint	True	False	0	5	0	((0))	
False	con_graders	smallint	True	False	0	5	0	((0))	
False	con_excavators	smallint	True	False	0	5	0	((0))	
False	con_bobcats	smallint	True	False	0	5	0	((0))	
False	con_backhoes	smallint	True	False	0	5	0	((0))	
False	con_pickups	smallint	True	False	0	5	0	((0))	
False	con_utility_trucks	smallint	True	False	0	5	0	((0))	
False	con_wreckers	smallint	True	False	0	5	0	((0))	
False	con_chippers	smallint	True	False	0	5	0	((0))	
False	con_supervisor_vehicles	smallint	True	False	0	5	0	((0))	
False	con_portable_DM_S	smallint	True	False	0	5	0	((0))	
False	con_light_towers	smallint	True	False	0	5	0	((0))	
False	con_sewer_vacs	smallint	True	False	0	5	0	((0))	
False	con_sweepers	smallint	True	False	0	5	0	((0))	
False	con_skid_steurs	smallint	True	False	0	5	0	((0))	
False	con_crane	smallint	True	False	0	5	0	((0))	
False	con_tractor_trailers	smallint	True	False	0	5	0	((0))	
False	con_other	smallint	True	False	0	5	0	((0))	
False	light_tow	smallint	False	False	0	5	0	((0))	
False	redep_light_tow	smallint	False	False	0	5	0	((0))	
False	con_light_tow	smallint	False	False	0	5	0	((0))	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Report_Resources	Public	resourcesID		

Relationships

Columns	Association	Notes
(resourcesID = resourcesID)	0..* EORS_Event_Report_Resources.fk_eors_event_shop_reports_resourcesID 1 EORS_Event_Report_Resources.PK_EORS_Event_Report_Resources	

EORS_Event_Shop_Report_Roads

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	roadsID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	interstate_cond	uniqueid entifier	True	False	0	0	0		
False	primary_cond	uniqueid entifier	True	False	0	0	0		
False	secondary_cond	uniqueid entifier	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Shop_Report_Roads	Public	roadsID		
FK_EORS_Event_Shop_Report_Roads_primary	Public	primary_cond		
FK_EORS_Event_Shop_Report_Roads_secondary	Public	secondary_cond		
FK_EORS_Event_Shop_Report_Roads_interstate	Public	interstate_cond		

Relationships

Columns	Association	Notes
(interstate_cond = roadConditionID)	<p>0..* EORS_Event_Shop_Report_Roads.FK_EORS_Event_Shop_Report_Roads_interstate 1 EORS_Event__Road_Conditions.PK_EORS_Event__Road_Conditions</p>	
(primary_cond = roadConditionID)	<p>0..* EORS_Event_Shop_Report_Roads.FK_EORS_Event_Shop_Report_Roads_primary 1 EORS_Event__Road_Conditions.PK_EORS_Event__Road_Conditions</p>	
(roadsID = roadsID)	<p>0..* EORS_Event_Shop_Report_Roads.fk_eors_event_shop_reports_roadsID 1 EORS_Event_Shop_Report_Roads.PK_EORS_Event_Shop_Report_Roads</p>	
(secondary_cond = roadConditionID)	<p>0..* EORS_Event_Shop_Report_Roads.FK_EORS_Event_Shop_Report_Roads_secondary 1 EORS_Event__Road_Conditions.PK_EORS_Event__Road_Conditions</p>	

EORS_Event_Shop_Report_Weather

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	weatherID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	clear	bit	True	False	0	1	0	((0))	
False	cloudy	bit	True	False	0	1	0	((0))	
False	precip	bit	True	False	0	1	0	((0))	
False	snow	bit	True	False	0	1	0	((0))	
False	sleet	bit	True	False	0	1	0	((0))	
False	rain	bit	True	False	0	1	0	((0))	
False	heavy_rain	bit	True	False	0	1	0	((0))	
False	fog	bit	True	False	0	1	0	((0))	
False	ice	bit	True	False	0	1	0	((0))	
False	hail	bit	True	False	0	1	0	((0))	
False	high_winds	bit	True	False	0	1	0	((0))	
False	thunder_storms	bit	True	False	0	1	0	((0))	
False	temperature	float	False	False	0	53	0		
False	avg_depth	float	False	False	0	53	0	((0))	
False	ice_depth	float	False	False	0	53	0	((0))	
False	primaryID	uniqueid entifier	False	False	0	0	0		
False	secondaryID	uniqueid entifier	False	False	0	0	0		
False	primary_name	varchar	False	False	100	0	0		
False	secondary_name	varchar	False	False	100	0	0		
False	primary_date	datetime	False	False	0	23	3		
False	secondary_date	datetime	False	False	0	23	3		
False	primary_sfc	float	False	False	0	53	0		
False	secondary_sfc	float	False	False	0	53	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Shop_Report_Weather	Public	weatherID		

Relationships

Columns	Association	Notes
(weatherID = weatherID)	0..* EORS_Event_Shop_Reports.fk_eors_event_shop_repos_weatherID 1 EORS_Event_Shop_Report_Weather.PK_EORS_Event_Shop_Report_Weather	

EORS_Event_Shop_Report

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	reportID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	eventID	varchar	True	False	20	0	0		
False	shopID	uniqueid entifier	True	False	0	0	0		
False	report_num	int	True	False	0	0	0		
False	report_date	datetime	True	False	0	23	3		
False	comments	varchar	False	False	900	0	0		
False	operationsID	uniqueid entifier	True	False	0	0	0		
False	resourcesID	uniqueid entifier	True	False	0	0	0		
False	roadsID	uniqueid entifier	True	False	0	0	0		
False	weatherID	uniqueid entifier	True	False	0	0	0		
False	reportedBy	varchar	False	False	50	0	0		
False	reg_hours	float	True	False	0	53	0	((0))	
False	ot_hours	float	True	False	0	53	0	((0))	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Winter_Shop_Reports	Public	reportID		
fk_eors_event_shop_reports_shopID	Public	shopID		
fk_eors_event_shop_reports_eventID	Public	eventID		
fk_eors_event_shop_reports_operationsID	Public	operationsID		
fk_eors_event_shop_reports_resourcesID	Public	resourcesID		
fk_eors_event_shop_reports_roadsID	Public	roadsID		
fk_eors_event_shop_reports_weatherID	Public	weatherID		

Relationships

Columns	Association	Notes
(eventID = eventID)	<p>0..*</p> <p>EORS_Event_Shop_Reports.fk_eors_event_shop_reports_eventID</p> <p>1 EORS_Event.PK_EORS_Event</p>	
(operationsID = operationsID)	<p>0..*</p> <p>EORS_Event_Shop_Reports.fk_eors_event_shop_reports_operationsID</p> <p>1 EORS_Event_Shop_Report_Operations.PK_EORS_Event_Shop_Report_Operations</p>	

Columns	Association	Notes
(resourcesID = resourcesID)	<p>0..* EORS_Event_Shop_Reports.fk_eors_event_shop_reports_resourcesID 1 EORS_Event_Shop_Report_Resources.PK_EORS_Event_Shop_Report_Resources</p>	
(roadsID = roadsID)	<p>0..* EORS_Event_Shop_Reports.fk_eors_event_shop_reports_roadsID 1 EORS_Event_Shop_Report_Roads.PK_EORS_Event_Shop_Report_Roads</p>	
(shopID = shopID)	<p>0..* EORS_Event_Shop_Reports.fk_eors_event_shop_reports_shopID 1 EORS_Common_Shop.PK_EORS_Common_Shop</p>	
(weatherID = weatherID)	<p>0..* EORS_Event_Shop_Reports.fk_eors_event_shop_reports_weatherID 1 EORS_Event_Shop_Report_Weather.PK_EORS_Event_Shop_Report_Weather</p>	

EORS_Event_Debris

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	eventID	varchar	True	True	20	0	0		
True	shopID	uniqueidentifer	True	True	0	0	0		
False	debris	money	True	False	0	19	4	((0))	
False	userID	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Debris	Public	eventID shopID		
FK_EORS_Event_Debris_eventID	Public	eventID		
FK_EORS_Event_Debris(userID)	Public	userID		

Relationships

Columns	Association	Notes
(eventID = eventID)	<p>0..* EORS_Event_Debris.FK_EORS_Event_Debris_eventID 1 EORS_Event.PK_EORS_Event</p>	

Columns	Association	Notes
(userID = UserID)	0..* EORS_Event__Debris.FK_EORS_Event__Debris_user ID 1 Users.PK_Users	

EORS_Event_Operations_Types

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	opsTypeID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	ops_type	varchar	True	False	25	0	0		
False	ordinal	tinyint	True	False	0	3	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Operations_Types	Public	opsTypeID		
IDX_EORS_Event_Operations_Types_ordinal	Public	ordinal		

Relationships

Columns	Association	Notes
(opsTypeID = opsTypeID)	0..* EORS_Event_Shop_Report_Operations.fk_eors_event_shop_report_operations_opsTypeID 1 EORS_Event_Operations_Types.PK_EORS_Event_Operations_Types	

EORS_Event_Road_Conditions

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	roadConditionID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	road_condition	varchar	True	False	35	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event_Road_Conditions	Public	roadConditionID		

Relationships

Columns	Association	Notes
(interstate_cond = roadConditionID)	0..* EORS_Event_Shop_Report_Roads.FK_EORS_Event_Shop_Report_Roads_interstate 1 EORS_Event__Road_Conditions.PK_EORS_Event__Road_Conditions	
(primary_cond = roadConditionID)	0..* EORS_Event_Shop_Report_Roads.FK_EORS_Event_Shop_Report_Roads_primary 1 EORS_Event__Road_Conditions.PK_EORS_Event__Road_Conditions	
(secondary_cond = roadConditionID)	0..* EORS_Event_Shop_Report_Roads.FK_EORS_Event_Shop_Report_Roads_secondary 1 EORS_Event__Road_Conditions.PK_EORS_Event__Road_Conditions	

EORS_Event__Types

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	eventTypeID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	event_type	varchar	True	False	50	0	0		
False	ordinal	tinyint	True	False	0	3	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Event__Types	Public	eventTypeID		
IDX_EORS_Event__Type s_ordinal	Public	ordinal		

Relationships

Columns	Association	Notes
(eventTypeID = eventTypeID)	0..* EORS_Event.FK_EORS_Event_eventTypeID 1 EORS_Event__Types.PK_EORS_Event__Types	

EORS_Events_Notifier

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes

False	recipient	varchar	True	False	255	0	0			
False	cc	varchar	False	False	255	0	0			
False	bcc	varchar	False	False	255	0	0			
False	subject	varchar	True	False	255	0	0			
False	open_limit	int	False	False	0	0	0			
False	paused_limit	int	False	False	0	0	0			
False	open_enabled	bit	True	False	0	1	0			
False	paused_enabled	bit	True	False	0	1	0			

EORS_HP_Responsible_Parties

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	Party_ID	int	True	True	0	0	0		
False	name	varchar	True	False	10	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_HP_Responsi _127AB1E3	Public	Party_ID		

EORS_RWIS_Info

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	RwisID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	location	varchar	True	False	100	0	0		
False	countyID	uniqueid entifier	False	False	0	0	0		
False	rpu_number	int	False	False	0	0	0		
False	sysid	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_RWIS_Info	Public	RwisID		
IDX_EORS_RWIS_Info	Public	location		
FK_EORS_RWIS_Info_co unty	Public	countyID		

Relationships

Columns	Association	Notes
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Columns	Association	Notes
(countyID = ID)	0..* EORS_RWIS_Info.FK_EORS_RWIS_Info_county 1 EORS_Common_County.PK__EORS_COMMON_Cou nty	
(primary_RWIS = RwisID)	0..* EORS_Shop_RWIS.FK_EORS_shop_primary_RWIS 1 EORS_RWIS_Info.PK_EORS_RWIS_Info	
(secondary_RWIS = RwisID)	0..* EORS_Shop_RWIS.FK_EORS_shop_secondary_RWI S 1 EORS_RWIS_Info.PK_EORS_RWIS_Info	

EORS_Rates

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ratesID	uniqueid entifier	True	True	0	0	0	(newid ())	
False	shopID	uniqueid entifier	True	False	0	0	0		
False	personnel	money	True	False	0	19	4	((0))	
False	dumpers	money	True	False	0	19	4	((0))	
False	loaders	money	True	False	0	19	4	((0))	
False	graders	money	True	False	0	19	4	((0))	
False	pickups_autos	money	True	False	0	19	4	((0))	
False	excavators	money	True	False	0	19	4	((0))	
False	wreckers	money	True	False	0	19	4	((0))	
False	blowers	money	True	False	0	19	4	((0))	
False	sweepers	money	True	False	0	19	4	((0))	
False	chippers	money	True	False	0	19	4	((0))	
False	bobcats	money	True	False	0	19	4	((0))	
False	backhoes	money	True	False	0	19	4	((0))	
False	utility_trucks	money	True	False	0	19	4	((0))	
False	portable_DMS	money	True	False	0	19	4	((0))	
False	skid_steers	money	True	False	0	19	4	((0))	
False	light_towers	money	True	False	0	19	4	((0))	
False	sewer_vacuums	money	True	False	0	19	4	((0))	
False	other	money	True	False	0	19	4	((0))	
False	tractor_trailers	money	True	False	0	19	4	((0))	
False	con_dumpers	money	True	False	0	19	4	((0))	
False	con_loaders	money	True	False	0	19	4	((0))	
False	con_graders	money	True	False	0	19	4	((0))	
False	con_pickups_auto s	money	True	False	0	19	4	((0))	
False	con_blowers	money	True	False	0	19	4	((0))	
False	con_excavators	money	True	False	0	19	4	((0))	
False	con_wreckers	money	True	False	0	19	4	((0))	
False	con_sweepers	money	True	False	0	19	4	((0))	

False	con_chippers	money	True	False	0	19	4	((0))	
False	con_bobcats	money	True	False	0	19	4	((0))	
False	con_backhoes	money	True	False	0	19	4	((0))	
False	con_portable_DM_S	money	True	False	0	19	4	((0))	
False	con_skid_steurs	money	True	False	0	19	4	((0))	
False	con_supervisor_vehicles	money	True	False	0	19	4	((0))	
False	con_light_towers	money	True	False	0	19	4	((0))	
False	con_sewer_vacuums	money	True	False	0	19	4	((0))	
False	con_utility_trucks	money	True	False	0	19	4	((0))	
False	con_tractor_trailers	money	True	False	0	19	4	((0))	
False	con_other	money	True	False	0	19	4	((0))	
False	con_craines	money	True	False	0	19	4	((0))	
False	Salt	money	True	False	0	19	4	((0))	
False	Abrasives	money	True	False	0	19	4	((0))	
False	mag	money	True	False	0	19	4	((0))	
False	mag_enhanced	money	True	False	0	19	4	((0))	
False	calcium	money	True	False	0	19	4	((0))	
False	calcium_enhanced	money	True	False	0	19	4	((0))	
False	salt_brine	money	True	False	0	19	4	((0))	
False	salt_brine_enhanced	money	True	False	0	19	4	((0))	
False	potassium	money	True	False	0	19	4	((0))	
False	asphalt	money	True	False	0	19	4	((0))	
False	concrete	money	True	False	0	19	4	((0))	
False	stone	money	True	False	0	19	4	((0))	
False	sand	money	True	False	0	19	4	((0))	
False	seasonID	uniqueidentifier	True	False	0	0	0		
False	light_tow	money	False	False	0	19	4	((0))	
False	con_light_tow	money	False	False	0	19	4	((0))	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Rates	Public	ratesID		
IX_EORS_Rates_season	Public	seasonID		
IX_EORS_Rates_shop	Public	shopID		
FK_EORS_Rates_EORS_Common_Existing_Seasons_season	Public	seasonID		
FK_EORS_Rates_EORS_Common_Shop_shop	Public	shopID		

Relationships

Columns	Association	Notes
(seasonID = seasonID)	0..* EORS_Rates.FK_EORS_Rates_EORS_Common_Existing_Seasons_season	

Columns	Association	Notes
	1 EORS_Common_Existing_Seasons.PK__EORS_Common_Exis_181AEBB0	
(shopID = shopID)	0..* EORS_Rates.FK_EORS_Rates_EORS_Common_Shop 1 EORS_Common_Shop.PK_EORS_Common_Shop	

EORS_Report_OOM_Averages_Lkp

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	shop	varchar	False	False	4	0	0		
False	district	int	False	False	0	0	0		
False	average	float	True	False	0	53	0		

EORS_Route_Restriction

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	rrid	uniqueidentifier	True	True	0	0	0	(newid())	
False	date_created	datetime	True	False	0	23	3		
False	created_by	int	True	False	0	0	0		
False	start_date	datetime	True	False	0	23	3		
False	start_county_ID	uniqueidentifier	False	False	0	0	0		
False	end_county_ID	uniqueidentifier	False	False	0	0	0		
False	location_area	varchar	False	False	100	0	0	(null)	
False	location_route_type_ID	uniqueidentifier	False	False	0	0	0	(null)	
False	location_route_number	int	False	False	0	0	0	(0)	
False	intersect_route_type_from_ID	uniqueidentifier	False	False	0	0	0	(null)	
False	intersect_route_number_from	int	False	False	0	0	0	(0)	
False	intersect_route_type_to_ID	uniqueidentifier	False	False	0	0	0	(null)	
False	intersect_route_number_to	int	False	False	0	0	0	(null)	
False	intersect_road_from	varchar	False	False	50	0	0	(null)	

False	intersect_road_to	varchar	False	False	50	0	0	(null)	
False	limits_from	varchar	False	False	50	0	0	(null)	
False	limits_to	varchar	False	False	50	0	0	(null)	
False	exit_from	varchar	False	False	4	0	0	(null)	
False	exit_to	varchar	False	False	4	0	0	(null)	
False	mp_from	tinyint	False	False	0	3	0	(0)	
False	mp_to	tinyint	False	False	0	3	0	(0)	
False	otherFrom	varchar	False	False	100	0	0	(null)	
False	otherTo	varchar	False	False	100	0	0	(null)	
False	direction_ID	uniqueid entifier	False	False	0	0	0	(null)	
False	direction	varchar	False	False	36	0	0	(null)	
False	description	varchar	True	False	200 0	0	0		
False	active	bit	True	False	0	1	0	(1)	
False	closed_to_permit_l oads	bit	True	False	0	1	0	(0)	
False	until_further_notic e	bit	True	False	0	1	0	(0)	
False	isMapped	bit	True	False	0	1	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Route_Restrict ion	Public	rrid		
IX_EORS_Route_Restricti on_start_date	Public	start_date		
IX_EORS_Route_Restricti on_location_area	Public	location_area		
IX_EORS_Route_Restricti on_location_route_num	Public	location_route_nu m		
IX_EORS_Route_Restricti on_location_route_type_ID	Public	location_route_typ e_ID		
IX_EORS_Route_Restricti on_start_county_ID	Public	start_county_ID		

EORS_SARS_CHART

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
False	update_time	datetime	True	False	0	23	3		
False	update_by	varchar	True	False	50	0	0		
False	update_email	varchar(max)	True	False	0	0	0		
False	toc3_wreckers	varchar(max)	False	False	0	0	0		
False	toc3_route_patrols	varchar(False	False	0	0	0		

		max)								
False	toc4_wreckers	varchar(max)	False	False	0	0	0			
False	toc4_route_patrols	varchar(max)	False	False	0	0	0			
False	toc5_wreckers	varchar(max)	False	False	0	0	0			
False	toc5_route_patrols	varchar(max)	False	False	0	0	0			
False	toc6_wreckers	varchar(max)	False	False	0	0	0			
False	toc6_route_patrols	varchar(max)	False	False	0	0	0			
False	toc7_wreckers	varchar(max)	False	False	0	0	0			
False	toc7_route_patrols	varchar(max)	False	False	0	0	0			
False	soc_wreckers	varchar(max)	False	False	0	0	0			
False	soc_route_patrols	varchar(max)	False	False	0	0	0			

EORS_SARS_District

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	update_time	datetime	True	False	0	23	3		
False	update_by	varchar	True	False	50	0	0		
False	update_email	varchar(max)	True	False	0	0	0		
False	district	int	True	False	0	0	0		
False	summary	varchar(max)	False	False	0	0	0		
False	wreckers	varchar(max)	False	False	0	0	0		
False	route_patrols	varchar(max)	False	False	0	0	0		
False	assist	varchar(max)	False	False	0	0	0		
False	incidents	varchar(max)	False	False	0	0	0		

EORS_SARS_PIO

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre	Scal	Init	Notes
----	------	------	----------	--------	-----	-----	------	------	-------

					c	e		
False	update_time	datetime	True	False	0	23	3	
False	update_by	varchar	True	False	50	0	0	
False	update_email	varchar(max)	True	False	0	0	0	
False	summary	varchar(max)	False	False	0	0	0	

EORS_SARS_Reportin_Schedule

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	step	int	True	False	0	0	0		
False	time_range	varchar	True	False	50	0	0		
False	description	varchar	True	False	500	0	0		

EORS_SARS_State

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	report_num	int	True	False	0	0	0		
False	update_time	datetime	True	False	0	23	3		
False	update_by	varchar	True	False	50	0	0		
False	update_email	varchar	True	False	500	0	0		
False	summary	varchar(max)	False	False	0	0	0		
False	others	varchar(max)	False	False	0	0	0		

EORS_Salt_Dome_Info

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	shop	varchar	True	False	4	0	0		
False	dome	varchar	True	False	20	0	0		
False	info	varchar	True	False	255	0	0		
False	capacity	int	True	False	0	0	0		
False	high_priority	int	True	False	0	0	0		
False	record_id	int	True	False	0	0	0		
False	DomeSiteID	varchar	False	False	50	0	0		

False	percent_usage	float	True	False	0	53	0	((0))	
False	statewide_avg	float	True	False	0	53	0	((967))	
False	dome_lane_miles	float	True	False	0	53	0	((1))	

EORS_Shop_Equipment_Inventory

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	shopID	uniqueid entifier	True	True	0	0	0		
False	dumpers	int	True	False	0	0	0	((0))	
False	loaders	int	True	False	0	0	0	((0))	
False	graders	int	True	False	0	0	0	((0))	
False	blowers	int	True	False	0	0	0	((0))	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Shop_Equipm ent_Inventory	Public	shopID		

EORS_Shop_RWIS

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	shopID	uniqueid entifier	True	True	0	0	0		
False	primary_RWIS	uniqueid entifier	False	False	0	0	0		
False	secondary_RWIS	uniqueid entifier	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_shop_RWIS	Public	shopID		
FK_EORS_shop_primary_ RWIS	Public	primary_RWIS		
FK_EORS_shop_seconda ry_RWIS	Public	secondary_RWIS		

Relationships

Columns	Association	Notes
(primary_RWIS = RwisID)	0..* EORS_Shop_RWIS.FK_EORS_shop_primary_RWIS	

Columns	Association	Notes
	1 EORS_RWIS_Info.PK_EORS_RWIS_Info	
(secondary_RWIS = RwisID)	0..* EORS_Shop_RWIS.FK_EORS_shop_secondary_RWI S 1 EORS_RWIS_Info.PK_EORS_RWIS_Info	

EORS_Snow_Emergency

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	snowEmergencyID	uniqueid entifier	True	True	0	0	0		
False	countyID	uniqueid entifier	True	False	0	0	0		
False	county	int	True	False	0	0	0		
False	declared	datetime	True	False	0	23	3		
False	lifted	datetime	False	False	0	23	3		
False	exceptions	varchar	False	False	204 8	0	0		
False	countyIN	bit	True	False	0	1	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_Snow_Emerge ncy	Public	snowEmergencyID		
IX_EORS_Snow_Emerge ncy_declared	Public	declared		
IX_EORS_Snow_Emerge ncy_countyID	Public	countyID		
IX_EORS_Snow_Emerge ncy_lifted	Public	lifted		
FK_EORS_Snow_Emerge ncy_countyID	Public	countyID		

Relationships

Columns	Association	Notes
(countyID = ID)	0..* EORS_Snow_Emergency.FK_EORS_Snow_Emergency_countyID 1 EORS_Common_County.PK_EORS_COMMON_Cou nty	

EORS_WSEvent

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ModuleID	int	True	False	0	0	0		
True	ItemID	int	True	True	0	0	0		
False	Content	ntext	True	False	0	0	0		
False	CreatedByUser	int	True	False	0	0	0		
False	CreatedDate	datetime	True	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EORS_WSEvent	Public	ItemID		
IX_EORS_WSEvent	Public	ModuleID		

EventLog

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	LogGUID	varchar	True	True	36	0	0		
False	LogTypeKey	nvarchar	True	False	35	0	0		
False	LogConfigID	int	False	False	0	0	0		
False	LogUserID	int	False	False	0	0	0		
False	LogUserName	nvarchar	False	False	50	0	0		
False	LogPortalID	int	False	False	0	0	0		
False	LogPortalName	nvarchar	False	False	100	0	0		
False	LogCreateDate	datetime	True	False	0	23	3		
False	LogServerName	nvarchar	True	False	50	0	0		
False	LogProperties	ntext	True	False	0	0	0		
False	LogNotificationPending	bit	False	False	0	1	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EventLogMaster	Public	LogGUID		
IX_EventLog	Public	LogConfigID LogTypeKey LogCreateDate		

EventLogConfig

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ID	int	True	True	0	0	0		
False	LogTypeKey	nvarchar	False	False	35	0	0		
False	LogTypePortalID	int	False	False	0	0	0		
False	LoggingIsActive	bit	True	False	0	1	0		
False	KeepMostRecent	int	True	False	0	0	0		
False	EmailNotificationsIs Active	bit	True	False	0	1	0		
False	NotificationThreshold	int	False	False	0	0	0		
False	NotificationThresholdTime	int	False	False	0	0	0		
False	NotificationThresholdTimeType	int	False	False	0	0	0		
False	MailFromAddress	nvarchar	True	False	50	0	0		
False	MailToAddress	nvarchar	True	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EventLogConfig	Public	ID		
IX_LogTypeKey_LogType PortalID	Public	LogTypeKey LogTypePortalID		

EventLogTypes

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	LogTypeKey	nvarchar	True	True	35	0	0		
False	LogTypeFriendlyName	nvarchar	True	False	50	0	0		
False	LogTypeDescription	nvarchar	True	False	128	0	0		
False	LogTypeOwner	nvarchar	True	False	100	0	0		
False	LogTypeCSSClass	nvarchar	True	False	40	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EventLogTypes	Public	LogTypeKey		

EventQueue

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	EventMessageID	int	True	True	0	0	0		
False	EventName	nvarchar	True	False	100	0	0		
False	Priority	int	True	False	0	0	0		
False	ProcessorType	nvarchar	True	False	250	0	0		
False	ProcessorCommand	nvarchar	True	False	250	0	0		
False	Body	nvarchar	True	False	250	0	0		
False	Sender	nvarchar	True	False	250	0	0		
False	Subscriber	nvarchar	True	False	100	0	0		
False	AuthorizedRoles	nvarchar	True	False	250	0	0		
False	ExceptionMessage	nvarchar	True	False	250	0	0		
False	SentDate	datetime	True	False	0	23	3		
False	ExpirationDate	datetime	True	False	0	23	3		
False	Attributes	ntext	True	False	0	0	0		
False	IsComplete	bit	True	False	0	1	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_EventQueue	Public	EventMessageID		

FAQs

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	CreatedByUser	nvarchar	False	False	100	0	0		
False	CreatedDate	datetime	False	False	0	23	3		
False	Question	ntext	False	False	0	0	0		
False	Answer	ntext	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_FAQs	Public	ItemID		
IX_FAQs	Public	ModuleID		

Files

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	FileId	int	True	True	0	0	0		
False	PortalId	int	False	False	0	0	0		
False	FileName	nvarchar	True	True	100	0	0		
False	Extension	nvarchar	True	False	100	0	0		
False	Size	int	True	False	0	0	0		
False	Width	int	False	False	0	0	0		
False	Height	int	False	False	0	0	0		
False	ContentType	nvarchar	True	False	200	0	0		
False	Folder	nvarchar	False	False	200	0	0		
False	FolderID	int	True	True	0	0	0		
False	Content	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_File	Public	FileId		
IX_FileName	Public	FolderID FileName		
IX_Files	Public	PortalId		

FolderPermission

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	FolderPermissionID	int	True	True	0	0	0		
False	FolderID	int	True	True	0	0	0		
False	PermissionID	int	True	True	0	0	0		
False	AllowAccess	bit	True	False	0	1	0		
False	RoleID	int	False	True	0	0	0		
False	UserID	int	False	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_FolderPermission	Public	FolderPermissionID		
IX_FolderPermission	Public	FolderID PermissionID RoleID UserID		
IX_FolderPermission_Modules	Public	FolderID		
IX_FolderPermission_Per	Public	PermissionID		

Name	Type	Columns	Initial Code	Notes
mission				
IX_FolderPermission_Role	Public	RoleID		
IX_FolderPermission_User	Public	UserID		

Folders

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	FolderID	int	True	True	0	0	0		
False	PortalID	int	False	True	0	0	0		
False	FolderPath	varchar	True	True	300	0	0		
False	StorageLocation	int	True	False	0	0	0	(0)	
False	IsProtected	bit	True	False	0	1	0	(0)	
False	IsCached	bit	True	False	0	1	0	(0)	
False	LastUpdated	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Folders	Public	FolderID		
IX_FolderPath	Public	PortalID FolderPath		

Forum_Attachments

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PostID	int	True	True	0	0	0		
True	FileName	nvarchar	True	True	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Attachment	Public	PostID FileName		

Forum_EditForums

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
True	RoleID	int	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_EditForums	Public	ForumID RoleID		

Forum_FilterWords

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model*Detail:* Created on 2/18/2015. Last modified on 2/18/2015.*Notes:***Columns**

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ItemID	int	True	False	0	0	0		
True	PortalID	int	True	True	0	0	0		
True	BadWord	nvarchar	True	True	50	0	0		
False	ReplacedWord	nvarchar	True	False	50	0	0		
False	CreatedBy	int	False	False	0	0	0		
False	CreatedOn	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_FilterWords	Public	PortalID BadWord		

Forum_Forums

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model*Detail:* Created on 2/18/2015. Last modified on 2/18/2015.*Notes:***Columns**

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
False	GroupID	int	True	False	0	0	0	(0)	
False	IsActive	bit	True	False	0	1	0	(1)	
False	ParentID	int	True	False	0	0	0	(0)	
False	Name	nvarchar	True	False	255	0	0		
False	Description	nvarchar	False	False	204 8	0	0		
False	CreatedDate	datetime	False	False	0	23	3	(getda te())	
False	CreatedByUser	int	False	False	0	0	0		
False	UpdatedByUser	int	False	False	0	0	0		

False	UpdatedDate	datetime	False	False	0	23	3			
False	IsModerated	bit	False	False	0	1	0	(0)		
False	DaysToView	int	False	False	0	0	0	(0)		
False	SortOrder	int	False	False	0	0	0	(0)		
False	TotalPosts	int	False	False	0	0	0	(0)		
False	TotalThreads	int	False	False	0	0	0	(0)		
False	EnablePostStatistics	bit	False	False	0	1	0	(0)		
False	EnableAutoDelete	bit	False	False	0	1	0	(0)		
False	AutoDeleteThreshold	int	False	False	0	0	0	(90)		
False	MostRecentPostID	int	False	False	0	0	0	(0)		
False	MostRecentThreadID	int	False	False	0	0	0	(0)		
False	MostRecentPostAuthorID	int	False	False	0	0	0	(0)		
False	MostRecentPostDate	datetime	False	False	0	23	3	(getdate())		
False	PostsToModerate	int	False	False	0	0	0	(0)		
False	ForumType	int	False	False	0	0	0	(0)		
False	IsIntegrated	bit	False	False	0	1	0	(0)		
False	IntegratedModuleID	int	False	False	0	0	0	(0)		
False	IntegratedObjects	nvarchar	False	False	255	0	0			
False	IsPrivate	bit	False	False	0	1	0	(0)		
False	AuthorizedRoles	nvarchar	False	False	255	0	0			
False	AuthorizedEditRoles	nvarchar	False	False	255	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Forums	Public	ForumID		
IX_Forum_Forums	Public	ForumID		

Forum_Groups

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	GroupID	int	True	True	0	0	0		
False	Name	nvarchar	True	False	255	0	0		
False	PortalID	int	False	False	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	SortOrder	int	True	False	0	0	0	(0)	
False	CreatedDate	datetime	True	False	0	23	3	(getdate())	
False	CreatedByUser	int	True	False	0	0	0		
False	UpdatedByUser	int	False	False	0	0	0		

False	UpdatedDate	datetime	False	False	0	23	3			
False	GroupType	int	False	False	0	0	0	(0)		
False	Server	nvarchar	False	False	100	0	0			
False	Port	int	False	False	0	0	0	(119)		
False	LogonRequired	bit	False	False	0	1	0			
False	UserName	nvarchar	False	False	100	0	0			
False	Password	nvarchar	False	False	100	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Groups	Public	GroupID		
IX_Forum_Groups	Public	GroupID		
IX_Forum_Groups_Modul eID	Public	ModuleID		

Forum_ModerationAction

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ModerationAction	int	True	False	0	0	0		
False	Description	nvarchar	True	False	255	0	0		
False	TotalActions	int	True	False	0	0	0		

Forum_ModerationAudit

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ModeratedOn	datetime	True	False	0	23	3		
False	PostID	int	True	False	0	0	0		
False	ModeratedBy	int	True	False	0	0	0		
False	ModerationAction	nvarchar	True	False	50	0	0		
False	Notes	nvarchar	False	False	102	0	0		
					4				

Forum_Moderators

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes

True	UserID	int	True	True	0	0	0			
True	ForumID	int	True	True	0	0	0			
False	AssignedDate	datetime	True	False	0	23	3			
False	PostsModerated	int	True	False	0	0	0	(0)		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Moderators	Public	UserID ForumID		

Forum_Notification

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
True	RoleID	int	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Notification	Public	ForumID RoleID		

Forum_PM

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PMID	int	True	True	0	0	0		
False	ParentPMID	int	True	False	0	0	0		
False	UserID	int	True	False	0	0	0		
False	RemoteAddr	nvarchar	False	False	100	0	0		
False	Subject	nvarchar	True	False	255	0	0		
False	Body	ntext	False	False	0	0	0		
False	CreatedDate	datetime	True	False	0	23	3		
False	PMThreadID	int	False	False	0	0	0		
False	PMLevel	int	False	False	0	0	0		
False	FlatSortOrder	int	False	False	0	0	0		
False	TreeSortOrder	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_PM	Public	PMID		

Forum_PMBlocked

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	BlockerUserID	int	False	False	0	0	0		
False	BlockingUserID	int	False	False	0	0	0		
False	BlockedDate	datetime	True	False	0	23	3	(getdate())	
False	ReasonBlocked	nvarchar	False	False	200	0	0		

Forum_PMThreads

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	PMTThreadId	int	True	False	0	0	0		
False	PMTThreadSubject	nvarchar	True	False	250	0	0		
False	PMStartDate	datetime	False	False	0	23	3		
False	PMStartUserID	int	True	False	0	0	0		
False	PMToUserID	int	True	False	0	0	0		
False	Views	int	False	False	0	0	0		
False	LastPostedPMID	int	False	False	0	0	0		
False	Replies	int	False	False	0	0	0		
False	PMStartUserDeleted	bit	True	False	0	1	0	(0)	
False	PMToUserDeleted	bit	True	False	0	1	0	(0)	
False	PortalID	int	True	False	0	0	0		

Forum_Posts

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PostID	int	True	True	0	0	0		
False	ParentPostID	int	True	False	0	0	0		
False	UserID	int	True	False	0	0	0		
False	RemoteAddr	nvarchar	False	False	100	0	0		
False	Notify	bit	False	False	0	1	0		
False	Subject	nvarchar	True	False	255	0	0		
False	Body	ntext	False	False	0	0	0		
False	CreatedByUser	int	False	False	0	0	0		

False	CreatedDate	datetime	False	False	0	23	3			
False	ThreadID	int	False	False	0	0	0			
False	PostLevel	int	False	False	0	0	0	(0)		
False	TreeSortOrder	int	False	False	0	0	0	(0)		
False	FlatSortOrder	int	False	False	0	0	0	(0)		
False	UpdatedDate	datetime	False	False	0	23	3			
False	UpdatedByUser	int	False	False	0	0	0			
False	IsApproved	bit	False	False	0	1	0	(1)		
False	IsLocked	bit	False	False	0	1	0	(0)		
False	IsClosed	bit	False	False	0	1	0	(0)		
False	MediaURL	nvarchar	False	False	255	0	0			
False	MediaNAV	nvarchar	False	False	255	0	0			
False	Attachments	nvarchar	False	False	255	0	0			
False	FileAttachmentUR L	nvarchar	False	False	50	0	0			
False	DateApproved	datetime	False	False	0	23	3			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Posts	Public	PostID		
IX_Forum_Posts	Public	PostID		
Forum_PostsThreadID	Public	ThreadID		
Forum_PostsThreadIDFlat SortOrder	Public	ThreadID FlatSortOrder		
Forum_PostsTreeSortOrd er	Public	ThreadID TreeSortOrder		

Forum_PrivateForums

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
True	RoleID	int	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_PrivateForums	Public	ForumID RoleID		

Forum_Statistics_Site

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	CreatedDate	datetime	True	False	0	23	3		
False	TotalUsers	int	True	False	0	0	0		
False	TotalPosts	int	True	False	0	0	0		
False	TotalModerators	int	True	False	0	0	0		
False	TotalModeratedPo sts	int	True	False	0	0	0		
False	TotalAnonymousU sers	int	True	False	0	0	0		
False	TotalTopics	int	True	False	0	0	0		
False	NewPostsInPast2 4Hours	int	True	False	0	0	0		
False	NewThreadsInPas t24Hours	int	True	False	0	0	0		
False	NewUsersInPast2 4Hours	int	True	False	0	0	0		
False	MostViewsThreadl D	int	True	False	0	0	0		
False	MostActiveThreadl D	int	True	False	0	0	0		
False	MostActiveUserID	int	True	False	0	0	0		
False	MostReadThreadl D	int	True	False	0	0	0		
False	NewestUserID	int	True	False	0	0	0		
False	ModuleID	int	True	False	0	0	0		

Forum_ThreadRating

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserID	int	True	True	0	0	0		
True	ThreadID	int	True	True	0	0	0		
False	Rate	int	False	False	0	0	0		
False	Comment	nvarchar	False	False	500	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_ThreadRating	Public	UserID ThreadID		

Forum_Threads

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ThreadID	int	True	True	0	0	0		
False	ForumID	int	True	False	0	0	0	(0)	
False	Views	int	False	False	0	0	0	(0)	
False	LastPostedPostID	int	False	False	0	0	0	(0)	
False	Replies	int	False	False	0	0	0	(0)	
False	IsPinned	bit	False	False	0	1	0	(0)	
False	PinnedDate	datetime	False	False	0	23	3	(getda te())	
False	Image	nvarchar	False	False	255	0	0		
False	ObjectTypeCode	int	False	False	0	0	0		
False	ObjectID	char	False	False	10	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Threads	Public	ThreadID		
IX_Forum_Threads	Public	ThreadID		

Forum_ThreadsRead

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
True	UserID	int	True	True	0	0	0		
False	ReadThreads	nvarchar	False	False	400	0	0		
False	LastPurgeDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_ThreadsRead	Public	ForumID UserID		

Forum_TrackedForums

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
True	UserID	int	True	True	0	0	0		
False	CreatedDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_TrackedForums	Public	ForumID UserID		

Forum_TrackedThreads

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
True	ThreadID	int	True	True	0	0	0		
True	UserID	int	True	True	0	0	0		
False	CreatedDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_TrackedThreads	Public	ThreadID UserID ForumID		

Forum_TrackedWhatsNew

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ForumID	int	True	True	0	0	0		
True	UserID	int	True	True	0	0	0		
False	CreatedDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_TrackedWhatsNew	Public	ForumID UserID		

Forum_UserForums

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre	Scal	Init	Notes
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						c	e		
True	UserID	int	True	True	0	0	0		
True	ForumID	int	True	True	0	0	0		
False	LastVisitDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_UserForums	Public	UserID ForumID		

Forum_UserThreads

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserID	int	True	True	0	0	0		
True	ThreadID	int	True	True	0	0	0		
False	LastVisitDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_UserThreads	Public	UserID ThreadID		

Forum_Users

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserID	int	True	True	0	0	0		
False	Alias	nvarchar	False	False	100	0	0		
False	Signature	nvarchar	False	False	102	0	0		
False	Occupation	nvarchar	False	False	255	0	0		
False	Interests	nvarchar	False	False	255	0	0		
False	MSN	nvarchar	False	False	128	0	0		
False	Yahoo	nvarchar	False	False	128	0	0		
False	AIM	nvarchar	False	False	128	0	0		
False	ICQ	nvarchar	False	False	128	0	0		
False	Skin	nvarchar	False	False	255	0	0		
False	UserAvatar	bit	False	False	0	1	0	(0)	
False	Avatar	nvarchar	False	False	255	0	0		
False	AdditionalAvatars	nvarchar	False	False	255	0	0		
False	PostCount	int	False	False	0	0	0	(0)	
False	LastActivity	datetime	False	False	0	23	3	(1 / 1 /	

								2001)	
False	FlatView	bit	False	False	0	1	0	(1)	
False	IsTrusted	bit	False	False	0	1	0	(0)	
False	EnableThreadTracing	bit	False	False	0	1	0	(1)	
False	EnableDisplayUnreadThreadsOnly	bit	False	False	0	1	0	(1)	
False	EnableDisplayInMemberList	bit	False	False	0	1	0	(1)	
False	EnableOnlineStatus	bit	False	False	0	1	0	(1)	
False	ThreadsPerPage	int	False	False	0	0	0		
False	PostsPerPage	int	False	False	0	0	0		
False	WhatsNewScrollDirection	int	False	False	0	0	0		
False	WhatsNewNumberOfThread	int	False	False	0	0	0		
False	WhatsNewScrollDelay	int	False	False	0	0	0		
False	WhatsNewScrollAmount	int	False	False	0	0	0		
False	WhatsNewTrackingType	int	False	False	0	0	0		
False	WhatsNewTrackingDuration	int	False	False	0	0	0		
False	WhatsNewTemplate	nvarchar	False	False	255	0	0		
False	DefaultForumID	int	False	False	0	0	0		
False	CollapseGroups	nvarchar	False	False	255	0	0		
False	ViewDescending	bit	False	False	0	1	0	(0)	
False	EnableModNotification	bit	True	False	0	1	0	(1)	
False	IsGlobalModerator	bit	True	False	0	1	0	(0)	
False	ModeratorReturn	bit	True	False	0	1	0	(0)	
False	EnablePM	bit	True	False	0	1	0	(1)	
False	EnablePMNotifications	bit	True	False	0	1	0	(1)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Forum_Users	Public	UserID		
Forum_UsersUserIDAlias	Public	UserID Alias		

Help_Category

Database: SQL Server 2008, **Stereotype:** «table», **Package:** Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre	Scal	Init	Notes
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						c	e		
False	CategoryID	int	True	False	0	0	0		
False	Name	nvarchar	False	False	50	0	0		
False	Description	nvarchar	False	False	500	0	0		
False	Image	int	False	False	0	0	0		
False	KeyWords	nvarchar	False	False	255	0	0		
False	ModuleID	int	False	False	0	0	0		
False	Order	int	True	False	0	0	0		
False	Level	int	True	False	0	0	0		
False	Parent	int	False	False	0	0	0		
False	Visible	bit	False	False	0	1	0		
False	Deleted	bit	False	False	0	1	0		
False	LastUpdated	datetime	False	False	0	23	3		
False	CategoryGUID	uniqueidentifier	False	False	0	0	0		

Help_TutorialCategory

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	CategoryID	int	True	False	0	0	0		
True	ItemID	int	True	True	0	0	0		
False	ViewOrder	int	True	False	0	0	0	(99)	
False	TutorialID	int	False	False	0	0	0		
False	LastUpdated	datetime	False	False	0	23	3		
False	TutorialCategoryGUID	uniqueidentifier	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Help_TutorialCategory	Public	ItemID		

Help_Tutorials

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ProductImage	nvarchar	False	False	150	0	0		
False	Featured	bit	True	False	0	1	0		
False	KeyWords	nvarchar	False	False	200	0	0		
False	DownloadName	nvarchar	False	False	200	0	0		
False	ShortDesc	nvarchar	False	False	500	0	0		
False	Archive	bit	True	False	0	1	0		
False	Description	ntext	False	False	0	0	0		
True	TutorialID	int	True	True	0	0	0		

False	Title	nvarchar	False	False	250	0	0			
False	LastUpdated	datetime	False	False	0	23	3			
False	TutorialGUID	uniqueid entifier	False	False	0	0	0			
False	ModuleID	int	False	False	0	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Help_Tutorials	Public	TutorialID		

HostSettings

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SettingName	nvarchar	True	True	50	0	0		
False	SettingValue	nvarchar	True	False	256	0	0		
False	SettingIsSecure	bit	True	False	0	1	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_HostSettings	Public	SettingName		

HtmlText

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModuleID	int	True	True	0	0	0		
False	DesktopHtml	ntext	True	False	0	0	0		
False	DesktopSummary	ntext	False	False	0	0	0		
False	CreatedByUser	int	False	False	0	0	0		
False	CreatedDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_HtmlText	Public	ModuleID		

IFrame_Parameters

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ParameterID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	Name	varchar	True	False	50	0	0		
False	Type	varchar	True	False	50	0	0		
False	Argument	nvarchar	False	False	200	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_IFrame_Parameters	Public	ParameterID		
IX_IFrame_Parameters	Public	ModuleID		

Links

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	CreatedDate	datetime	False	False	0	23	3		
False	Title	nvarchar	False	False	100	0	0		
False	Url	nvarchar	False	False	250	0	0		
False	ViewOrder	int	False	False	0	0	0		
False	Description	nvarchar	False	False	200	0	0		
False	CreatedByUser	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK__Links__07E124C1	Public	ItemID		
IX_Links	Public	ModuleID		

Lists

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	EntryID	int	True	False	0	0	0		
True	ListName	nvarchar	True	True	50	0	0		
True	Value	nvarchar	True	True	100	0	0		

True	Text	nvarchar	True	True	150	0	0			
True	ParentID	int	True	True	0	0	0	(0)		
False	Level	int	True	False	0	0	0	(0)		
False	SortOrder	int	True	False	0	0	0	(0)		
False	DefinitionID	int	True	False	0	0	0	(0)		
False	Description	nvarchar	False	False	500	0	0			
False	PortalID	int	True	False	0	0	0	((-1))		
False	SystemList	bit	True	False	0	1	0	(0)		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Lists	Public	ListName Value Text ParentID		

Media

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModuleID	int	True	True	0	0	0		
False	Src	nvarchar	True	False	250	0	0		
False	alt	nvarchar	False	False	100	0	0		
False	width	int	False	False	0	0	0		
False	height	int	False	False	0	0	0		
False	NavigateUrl	nvarchar	False	False	250	0	0		
False	MediaAlignment	int	False	False	0	0	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Media	Public	ModuleID		

ModuleControls

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModuleControlID	int	True	True	0	0	0		
False	ModuleDefID	int	False	True	0	0	0		
False	ControlKey	nvarchar	False	True	50	0	0		
False	ControlTitle	nvarchar	False	False	50	0	0		
False	ControlSrc	nvarchar	False	True	256	0	0		
False	IconFile	nvarchar	False	False	100	0	0		
False	ControlType	int	True	False	0	0	0		

False	ViewOrder	int	False	False	0	0	0			
False	HelpUrl	nvarchar	False	False	200	0	0			
False	SupportsPartialRendering	bit	True	False	0	1	0	(0)		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_ModuleControls	Public	ModuleControlID		
IX_ModuleControls	Public	ModuleDefID ControlKey ControlSrc		

ModuleDefinitions

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModuleDefID	int	True	True	0	0	0		
False	FriendlyName	nvarchar	True	True	128	0	0		
False	DesktopModuleID	int	True	False	0	0	0		
False	DefaultCacheTime	int	True	False	0	0	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_ModuleDefinitions	Public	ModuleDefID		
IX_ModuleDefinitions	Public	FriendlyName		
IX_ModuleDefinitions_1	Public	DesktopModuleID		

ModulePermission

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModulePermission ID	int	True	True	0	0	0		
False	ModuleID	int	True	True	0	0	0		
False	PermissionID	int	True	True	0	0	0		
False	AllowAccess	bit	True	False	0	1	0		
False	RoleID	int	False	True	0	0	0		
False	UserID	int	False	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_ModulePermission	Public	ModulePermissionID		
IX_ModulePermission	Public	ModuleID PermissionID RoleID UserID		
IX_ModulePermission_Modules	Public	ModuleID		
IX_ModulePermission_Permission	Public	PermissionID		
IX_ModulePermission_Roles	Public	RoleID		
IX_ModulePermission_Users	Public	UserID		

ModuleSettings

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModuleID	int	True	True	0	0	0		
True	SettingName	nvarchar	True	True	50	0	0		
False	SettingValue	nvarchar	True	False	200	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_ModuleSettings	Public	ModuleID SettingName		

Modules

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ModuleID	int	True	True	0	0	0		
False	ModuleDefID	int	True	False	0	0	0		
False	ModuleTitle	nvarchar	False	False	256	0	0		
False	AllTabs	bit	True	False	0	1	0	(0)	
False	IsDeleted	bit	True	False	0	1	0	(0)	
False	InheritViewPermissions	bit	False	False	0	1	0		
False	Header	ntext	False	False	0	0	0		

False	Footer	ntext	False	False	0	0	0			
False	StartDate	datetime	False	False	0	23	3			
False	EndDate	datetime	False	False	0	23	3			
False	PortalID	int	False	False	0	0	0			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Modules	Public	ModuleID		
IX_Modules	Public	ModuleDefID		

Orizonti_NukeFeeds_FeedData

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ID	int	True	True	0	0	0		
False	FeedID	int	True	False	0	0	0		
False	Title	nvarchar	False	False	250	0	0		
False	Description	ntext	False	False	0	0	0		
False	Link	varchar	False	False	250	0	0		
False	PublishDate	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Orizonti_NukeFeeds_FeedData	Public	ID		
IX_Orizonti_NukeFeeds_FeedData	Public	FeedID		

Orizonti_NukeFeeds_Feeds

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ID	int	True	True	0	0	0		
False	Name	nvarchar	False	False	250	0	0		
False	URL	nvarchar	True	False	250	0	0		
False	Account	nvarchar	False	False	100	0	0		
False	Password	nvarchar	False	False	100	0	0		
False	Frequency	int	True	False	0	0	0	(0)	
False	LastUpdate	datetime	False	False	0	23	3		
False	ModuleID	int	True	False	0	0	0		
False	SearchKeywords	nvarchar	False	False	250	0	0		
False	SearchIn	int	False	False	0	0	0		
False	StartPoint	int	True	False	0	0	0	(0)	

False	SearchKeywordsExclude	nvarchar	False	False	250	0	0			
False	ItemLimit	int	True	False	0	0	0	(0)		
False	FeedTimeOut	int	True	False	0	0	0	(0)		
False	IsActive	bit	True	False	0	1	0	(1)		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Orizonti_NukeFeeds_Feeds	Public	ID		

PackageTypes

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PackageType	nvarchar	True	True	100	0	0		
False	Description	nvarchar	True	False	500	0	0		
False	SecurityAccessLevel	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_PackageTypes_1	Public	PackageType		

Packages

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PackageID	int	True	True	0	0	0		
False	Name	nvarchar	True	False	50	0	0		
False	FriendlyName	nvarchar	True	False	250	0	0		
False	Description	nvarchar	True	False	200	0	0		
False	PackageType	nvarchar	True	False	50	0	0		
False	Version	nvarchar	True	False	50	0	0		
False	License	ntext	True	False	0	0	0		
False	Manifest	ntext	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Packages	Public	PackageID		
IX_Packages	Public	Name		

Permission

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PermissionID	int	True	True	0	0	0		
False	PermissionCode	varchar	True	True	50	0	0		
False	ModuleDefID	int	True	True	0	0	0		
False	PermissionKey	varchar	True	True	50	0	0		
False	PermissionName	varchar	True	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Permission	Public	PermissionID		
IX_Permission	Public	PermissionCode ModuleDefID PermissionKey		

PortalAlias

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PortalAliasID	int	True	True	0	0	0		
False	PortalID	int	True	False	0	0	0		
False	HTTPAlias	nvarchar	False	True	200	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_PortalAlias	Public	PortalAliasID		
IX_PortalAlias	Public	HTTPAlias		

PortalDesktopModules

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PortalDesktopModuleID	int	True	True	0	0	0		

False	PortalID	int	True	True	0	0	0		
False	DesktopModuleID	int	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_PortalDesktopModules	Public	PortalDesktopModuleID		
IX_PortalDesktopModules	Public	PortalID DesktopModuleID		

Portals

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	PortalID	int	True	True	0	0	0		
False	PortalName	nvarchar	True	False	128	0	0		
False	LogoFile	nvarchar	False	False	50	0	0		
False	FooterText	nvarchar	False	False	100	0	0		
False	ExpiryDate	datetime	False	False	0	23	3		
False	UserRegistration	int	True	False	0	0	0	(0)	
False	BannerAdvertising	int	True	False	0	0	0	(0)	
False	AdministratorId	int	False	False	0	0	0		
False	Currency	char	False	False	3	0	0		
False	HostFee	money	True	False	0	19	4	(0)	
False	HostSpace	int	True	False	0	0	0	(0)	
False	AdministratorRoleId	int	False	False	0	0	0		
False	RegisteredRoleId	int	False	False	0	0	0		
False	Description	nvarchar	False	False	500	0	0		
False	KeyWords	nvarchar	False	False	500	0	0		
False	BackgroundFile	nvarchar	False	False	50	0	0		
False	GUID	uniqueidentifier	True	False	0	0	0	(newid())	
False	PaymentProcessor	nvarchar	False	False	50	0	0		
False	ProcessorUserId	nvarchar	False	False	50	0	0		
False	ProcessorPassword	nvarchar	False	False	50	0	0		
False	SiteLogHistory	int	False	False	0	0	0		
False	HomeTabId	int	False	False	0	0	0		
False	LoginTabId	int	False	False	0	0	0		
False	UserTabId	int	False	False	0	0	0		
False	DefaultLanguage	nvarchar	True	False	10	0	0	('en-US')	
False	TimezoneOffset	int	True	False	0	0	0	((-8))	
False	AdminTabId	int	False	False	0	0	0		
False	HomeDirectory	varchar	True	False	100	0	0	("")	

False	SplashTabId	int	False	False	0	0	0			
False	PageQuota	int	True	False	0	0	0	(0)		
False	UserQuota	int	True	False	0	0	0	(0)		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Portals	Public	PortalID		

Profile

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	ProfileId	int	True	True	0	0	0		
False	UserId	int	True	False	0	0	0		
False	PortalId	int	True	False	0	0	0		
False	ProfileData	ntext	True	False	0	0	0		
False	CreatedDate	datetime	True	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Profile	Public	ProfileId		
IX_Profile	Public	UserId PortalId		

ProfilePropertyDefinition

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	PropertyDefinitionID	int	True	True	0	0	0		
False	PortalID	int	False	False	0	0	0		
False	ModuleDefID	int	False	False	0	0	0		
False	Deleted	bit	True	False	0	1	0		
False	DataType	int	True	False	0	0	0		
False	DefaultValue	ntext	False	False	0	0	0		
False	PropertyCategory	nvarchar	True	False	50	0	0		
False	PropertyName	nvarchar	True	False	50	0	0		
False	Length	int	True	False	0	0	0	(0)	
False	Required	bit	True	False	0	1	0		
False	ValidationExpression	nvarchar	False	False	200	0	0		
False	ViewOrder	int	True	False	0	0	0		

False	Visible	bit	True	False	0	1	0			
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Constraints

Name	Type	Columns	Initial Code	Notes
PK_ProfilePropertyDefinition	Public	PropertyDefinitionID		
IX_ProfilePropertyDefinition	Public	PortalID ModuleDefID PropertyName		
IX_ProfilePropertyDefinition_PropertyName	Public	PropertyName		

RS2005Parameters

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ParmId	int	True	True	0	0	0		
False	PortalId	int	False	False	0	0	0		
False	ModuleId	int	False	False	0	0	0		
False	ParmName	varchar	False	False	200	0	0		
False	ParmValue	varchar	False	False	200	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_RS2005Parameters	Public	ParmId		

RS2005Servers

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ServerId	int	True	True	0	0	0		
False	ServerName	varchar	False	False	100	0	0		
False	ServerURL	varchar	False	False	500	0	0		
False	ServerVersion	varchar	False	False	50	0	0		
False	UserName	varchar	False	False	100	0	0		
False	Password	varchar	False	False	100	0	0		
False	Domain	varchar	False	False	100	0	0		
False	PortalId	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
_PK_RS2005Servers	Public	ServerId		

Name	Type	Columns	Initial Code	Notes

RoleGroups

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	RoleGroupID	int	True	True	0	0	0		
False	PortalID	int	True	True	0	0	0		
False	RoleGroupName	nvarchar	True	True	50	0	0		
False	Description	nvarchar	False	False	100	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_RoleGroups	Public	RoleGroupID		
IX_RoleGroupName	Public	PortalID RoleGroupName		

Roles

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	RoleID	int	True	True	0	0	0		
False	PortalID	int	True	True	0	0	0		
False	RoleName	nvarchar	True	True	50	0	0		
False	Description	nvarchar	False	False	100	0	0		
False	ServiceFee	money	False	False	0	19	4	(0)	
False	BillingFrequency	char	False	False	1	0	0		
False	TrialPeriod	int	False	False	0	0	0		
False	TrialFrequency	char	False	False	1	0	0		
False	BillingPeriod	int	False	False	0	0	0		
False	TrialFee	money	False	False	0	19	4		
False	IsPublic	bit	True	False	0	1	0	(0)	
False	AutoAssignment	bit	True	False	0	1	0	(0)	
False	RoleGroupID	int	False	False	0	0	0		
False	RSVPCode	nvarchar	False	False	50	0	0		
False	IconFile	nvarchar	False	False	100	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Roles	Public	RoleID		

Name	Type	Columns	Initial Code	Notes
IX_RoleName	Public	PortalID RoleName		
IX_Roles	Public	BillingFrequency		

Schedule

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ScheduleID	int	True	True	0	0	0		
False	TypeFullName	varchar	True	False	200	0	0		
False	TimeLapse	int	True	False	0	0	0		
False	TimeLapseMeasurement	varchar	True	False	2	0	0		
False	RetryTimeLapse	int	True	False	0	0	0		
False	RetryTimeLapseMeasurement	varchar	True	False	2	0	0		
False	RetainHistoryNum	int	True	False	0	0	0		
False	AttachToEvent	varchar	True	False	50	0	0		
False	CatchUpEnabled	bit	True	False	0	1	0		
False	Enabled	bit	True	False	0	1	0		
False	ObjectDependencies	varchar	True	False	300	0	0		
False	Servers	nvarchar	False	False	150	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Schedule	Public	ScheduleID		

ScheduleHistory

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ScheduleHistoryID	int	True	True	0	0	0		
False	ScheduleID	int	True	False	0	0	0		
False	StartDate	datetime	True	False	0	23	3		
False	EndDate	datetime	False	False	0	23	3		
False	Succeeded	bit	False	False	0	1	0		
False	LogNotes	ntext	False	False	0	0	0		
False	NextStart	datetime	False	False	0	23	3		
False	Server	nvarchar	False	False	150	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_ScheduleHistory	Public	ScheduleHistoryID		
IX_ScheduleHistory_NextStart	Public	ScheduleID NextStart		
IX_ScheduleHistory_StartDate	Public	ScheduleID StartDate		

ScheduleItemSettings

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ScheduleID	int	True	True	0	0	0		
True	SettingName	nvarchar	True	True	50	0	0		
False	SettingValue	nvarchar	True	False	200	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_ScheduleItemSettings	Public	ScheduleID SettingName		

SearchCommonWords

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	CommonWordID	int	True	True	0	0	0		
False	CommonWord	nvarchar	True	False	255	0	0		
False	Locale	nvarchar	False	False	10	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SearchCommonWords	Public	CommonWordID		

SearchIndexer

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SearchIndexerID	int	True	True	0	0	0		
False	SearchIndexerAssemblyQualifiedName	char	True	False	200	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SearchIndexer	Public	SearchIndexerID		

SearchItem

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SearchItemID	int	True	True	0	0	0		
False	Title	nvarchar	True	False	200	0	0		
False	Description	nvarchar	True	False	200	0	0		
False	Author	int	False	False	0	0	0		
False	PubDate	datetime	True	False	0	23	3		
False	ModuleId	int	True	False	0	0	0		
False	SearchKey	nvarchar	True	False	100	0	0		
False	Guid	varchar	False	False	200	0	0		
False	HitCount	int	False	False	0	0	0		
False	ImageFileId	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SearchItem	Public	SearchItemID		
IX_SearchItem	Public	ModuleId SearchKey		

SearchItemWord

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SearchItemWordID	int	True	True	0	0	0		
False	SearchItemID	int	True	True	0	0	0		

False	SearchWordsID	int	True	True	0	0	0		
False	Occurrences	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SearchItemWords	Public	SearchItemWordID		
IX_SearchItemWord	Public	SearchItemID SearchWordsID		

SearchItemWordPosition

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SearchItemWordPositionID	int	True	True	0	0	0		
False	SearchItemWordID	int	True	False	0	0	0		
False	ContentPosition	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SearchItemWordPosition	Public	SearchItemWordPositionID		

SearchWord

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SearchWordsID	int	True	True	0	0	0		
False	Word	nvarchar	True	True	100	0	0		
False	IsCommon	bit	False	False	0	1	0		
False	HitCount	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SearchWord	Public	SearchWordsID		
IX_SearchWord	Public	Word		

SiteLog

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	SiteLogId	int	True	True	0	0	0		
False	DateTime	smalldatetime	True	False	0	16	0		
False	PortalId	int	True	False	0	0	0		
False	UserId	int	False	False	0	0	0		
False	Referrer	nvarchar	False	False	255	0	0		
False	Url	nvarchar	False	False	255	0	0		
False	UserAgent	nvarchar	False	False	255	0	0		
False	UserHostAddress	nvarchar	False	False	255	0	0		
False	UserHostName	nvarchar	False	False	255	0	0		
False	TabId	int	False	False	0	0	0		
False	AffiliateId	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SiteLog	Public	SiteLogId		
IX_SiteLog	Public	PortalId		

Skins

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	SkinID	int	True	True	0	0	0		
False	PortalID	int	False	False	0	0	0		
False	SkinRoot	nvarchar	True	False	50	0	0		
False	SkinSrc	nvarchar	True	False	200	0	0		
False	SkinType	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Skins	Public	SkinID		

SurveyOptions

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SurveyOptionID	int	True	True	0	0	0		
False	SurveyID	int	True	False	0	0	0		
False	ViewOrder	int	True	False	0	0	0		
False	OptionName	nvarchar	True	False	500	0	0		
False	Votes	int	True	False	0	0	0		
False	IsCorrect	bit	True	False	0	1	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SurveyOptions	Public	SurveyOptionID		

SurveyResults

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SurveyResultID	int	True	True	0	0	0		
False	SurveyOptionID	int	True	False	0	0	0		
False	UserID	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SurveyResults	Public	SurveyResultID		

Surveys

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	SurveyID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	Question	nvarchar	True	False	500	0	0		
False	ViewOrder	int	False	False	0	0	0		
False	OptionType	char	True	False	1	0	0		
False	CreatedDate	datetime	True	False	0	23	3		
False	CreatedByUser	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Surveys	Public	SurveyID		

SystemMessages

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	MessageID	int	True	True	0	0	0		
False	PortalID	int	False	True	0	0	0		
False	MessageName	nvarchar	True	True	50	0	0		
False	MessageValue	ntext	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_SystemMessages	Public	MessageID		
IX_SystemMessages	Public	MessageName PortalID		

TabModuleSettings

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	TabModuleID	int	True	True	0	0	0		
True	SettingName	nvarchar	True	True	50	0	0		
False	SettingValue	nvarchar	True	False	200	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_TabModuleSettings	Public	TabModuleID SettingName		

TabModules

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	TabModuleID	int	True	True	0	0	0		
False	TabID	int	True	True	0	0	0		
False	ModuleID	int	True	True	0	0	0		
False	PaneName	nvarchar	True	False	50	0	0		

False	ModuleOrder	int	True	False	0	0	0			
False	CacheTime	int	True	False	0	0	0			
False	Alignment	nvarchar	False	False	10	0	0			
False	Color	nvarchar	False	False	20	0	0			
False	Border	nvarchar	False	False	1	0	0			
False	IconFile	nvarchar	False	False	100	0	0			
False	Visibility	int	True	False	0	0	0			
False	ContainerSrc	nvarchar	False	False	200	0	0			
False	DisplayTitle	bit	True	False	0	1	0	(1)		
False	DisplayPrint	bit	True	False	0	1	0	(1)		
False	DisplaySyndicate	bit	True	False	0	1	0	(1)		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_TabModules	Public	TabModuleID		
IX_TabModules	Public	TabID ModuleID		

TabPermission

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	TabPermissionID	int	True	True	0	0	0		
False	TabID	int	True	True	0	0	0		
False	PermissionID	int	True	True	0	0	0		
False	AllowAccess	bit	True	False	0	1	0		
False	RoleID	int	False	True	0	0	0		
False	UserID	int	False	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_TabPermission	Public	TabPermissionID		
IX_TabPermission	Public	TabID PermissionID RoleID UserID		
IX_TabPermission_Permission	Public	PermissionID		
IX_TabPermission_Roles	Public	RoleID		
IX_TabPermission_Tabs	Public	TabID		
IX_TabPermission_Users	Public	UserID		

Tabs

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	TabID	int	True	True	0	0	0		
False	TabOrder	int	True	False	0	0	0	(0)	
False	PortalID	int	False	False	0	0	0		
False	TabName	nvarchar	True	False	50	0	0		
False	IsVisible	bit	True	False	0	1	0	(1)	
False	ParentId	int	False	False	0	0	0		
False	Level	int	True	False	0	0	0	(0)	
False	IconFile	nvarchar	False	False	100	0	0		
False	DisableLink	bit	True	False	0	1	0	(0)	
False	Title	nvarchar	False	False	200	0	0		
False	Description	nvarchar	False	False	500	0	0		
False	KeyWords	nvarchar	False	False	500	0	0		
False	IsDeleted	bit	True	False	0	1	0	(0)	
False	Url	nvarchar	False	False	255	0	0		
False	SkinSrc	nvarchar	False	False	200	0	0		
False	ContainerSrc	nvarchar	False	False	200	0	0		
False	TabPath	nvarchar	False	False	255	0	0		
False	StartDate	datetime	False	False	0	23	3		
False	EndDate	datetime	False	False	0	23	3		
False	RefreshInterval	int	False	False	0	0	0		
False	PageHeadText	nvarchar	False	False	500	0	0		
False	IsSecure	bit	True	False	0	1	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Tabs	Public	TabID		
IX_Tabs_1	Public	PortalID		
IX_Tabs_2	Public	ParentId		

UrlLog

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UrlLogID	int	True	True	0	0	0		
False	UrlTrackingID	int	True	False	0	0	0		
False	ClickDate	datetime	True	False	0	23	3		
False	UserID	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UrlLog	Public	UrlLogID		

UrlTracking

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UrlTrackingID	int	True	True	0	0	0		
False	PortalID	int	False	True	0	0	0		
False	Url	nvarchar	True	True	255	0	0		
False	UrlType	char	True	False	1	0	0		
False	Clicks	int	True	False	0	0	0		
False	LastClick	datetime	False	False	0	23	3		
False	CreatedDate	datetime	True	False	0	23	3		
False	LogActivity	bit	True	False	0	1	0		
False	TrackClicks	bit	True	False	0	1	0	(1)	
False	ModuleId	int	False	True	0	0	0		
False	NewWindow	bit	True	False	0	1	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UrlTracking	Public	UrlTrackingID		
IX_UrlTracking	Public	PortalID Url ModuleId		

Urls

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UrlID	int	True	True	0	0	0		
False	PortalID	int	False	True	0	0	0		
False	Url	nvarchar	True	True	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Urls	Public	UrlID		
IX_Urls	Public	Url PortalID		

Name	Type	Columns	Initial Code	Notes

UserAuthentication

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserAuthenticatio nID	int	True	True	0	0	0		
False	UserID	int	True	False	0	0	0		
False	AuthenticationTyp e	nvarchar	True	False	100	0	0		
False	AuthenticationTok en	nvarchar	True	False	100	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UserAuthentication	Public	UserAuthenticatio nID		
IX_UserAuthentication	Public	UserID AuthenticationTyp e		

UserDefinedData

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserDefinedFieldId	int	True	True	0	0	0		
True	UserDefinedRowId	int	True	True	0	0	0		
False	FieldValue	ntext	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UserDefinedData	Public	UserDefinedFieldId UserDefinedRowId		

UserDefinedFields

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	UserDefinedFieldId	int	True	True	0	0	0		
False	ModuleId	int	True	False	0	0	0		
False	FieldTitle	nvarchar	False	False	50	0	0		
False	Visible	bit	True	False	0	1	0		
False	FieldOrder	int	True	False	0	0	0	(0)	
False	FieldType	varchar	True	False	20	0	0		
False	Required	bit	True	False	0	1	0	(0)	
False	Default	nvarchar	True	False	200 0	0	0	("")	
False	ExtendedSettings	nvarchar	True	False	200 0	0	0	("")	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UserDefinedTable	Public	UserDefinedFieldId		
IX_UserDefinedFields	Public	ModuleId FieldOrder		

UserDefinedRows

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	UserDefinedRowId	int	True	True	0	0	0		
False	ModuleId	int	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UserDefinedRows	Public	UserDefinedRowId		
IX_UserDefinedRows	Public	ModuleId		

UserPortals

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes

True	UserId	int	True	True	0	0	0			
True	PortalId	int	True	True	0	0	0			
False	UserPortalId	int	True	False	0	0	0			
False	CreatedDate	datetime	True	False	0	23	3	(getdate())		
False	Authorised	bit	True	False	0	1	0	(1)		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UserPortals	Public	UserId PortalId		
IX_UserPortals	Public	PortalId		
IX_UserPortals_1	Public	UserId		

UserProfile

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ProfileID	int	True	True	0	0	0		
False	UserID	int	True	False	0	0	0		
False	PropertyDefinitionID	int	True	False	0	0	0		
False	PropertyValue	nvarchar	False	False	375 0	0	0		
False	PropertyText	ntext	False	False	0	0	0		
False	Visibility	int	True	False	0	0	0	(0)	
False	LastUpdatedDate	datetime	True	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UserProfile	Public	ProfileID		
IX_UserProfile	Public	UserID		

UserRoles

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserRoleID	int	True	True	0	0	0		
False	UserID	int	True	False	0	0	0		
False	RoleID	int	True	False	0	0	0		

False	ExpiryDate	datetime	False	False	0	23	3			
False	IsTrialUsed	bit	False	False	0	1	0			
False	EffectiveDate	datetime	False	False	0	23	3			

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UserRoles	Public	UserRoleID		
IX_UserRoles	Public	RoleID		
IX_UserRoles_1	Public	UserID		

Users

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserID	int	True	True	0	0	0		
False	Username	nvarchar	True	True	100	0	0		
False	FirstName	nvarchar	True	False	50	0	0		
False	LastName	nvarchar	True	False	50	0	0		
False	IsSuperUser	bit	True	False	0	1	0	(0)	
False	AffiliateId	int	False	False	0	0	0		
False	Email	nvarchar	False	False	256	0	0		
False	DisplayName	nvarchar	True	False	128	0	0	("")	
False	UpdatePassword	bit	True	False	0	1	0	(0)	

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Users	Public	UserID		
IX_Users	Public	Username		

Relationships

Columns	Association	Notes
(userID = UserID)	0..* EORS_Event__Debris.FK_EORS_Event__Debris_user ID 1 Users.PK_Users	

UsersOnline

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes

True	UserID	int	True	True	0	0	0			
True	PortalID	int	True	True	0	0	0			
False	TabID	int	True	False	0	0	0			
False	CreationDate	datetime	True	False	0	23	3	(getdate())		
False	LastActiveDate	datetime	True	False	0	23	3	(getdate())		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_UsersOnline	Public	UserID PortalID		

VendorClassification

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	VendorClassificati onId	int	True	True	0	0	0		
False	VendorId	int	True	True	0	0	0		
False	ClassificationId	int	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_VendorClassification	Public	VendorClassificati onId		
IX_VendorClassification	Public	VendorId ClassificationId		
IX_VendorClassification_1	Public	ClassificationId		

Vendors

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	VendorId	int	True	True	0	0	0		
False	VendorName	nvarchar	True	True	50	0	0		
False	Street	nvarchar	False	False	50	0	0		
False	City	nvarchar	False	False	50	0	0		
False	Region	nvarchar	False	False	50	0	0		
False	Country	nvarchar	False	False	50	0	0		
False	PostalCode	nvarchar	False	False	50	0	0		

False	Telephone	nvarchar	False	False	50	0	0		
False	PortalId	int	False	True	0	0	0		
False	Fax	nvarchar	False	False	50	0	0		
False	Email	nvarchar	False	False	50	0	0		
False	Website	nvarchar	False	False	100	0	0		
False	ClickThroughs	int	True	False	0	0	0	(0)	
False	Views	int	True	False	0	0	0	(0)	
False	CreatedByUser	nvarchar	False	False	100	0	0		
False	CreatedDate	datetime	False	False	0	23	3		
False	LogoFile	nvarchar	False	False	100	0	0		
False	KeyWords	ntext	False	False	0	0	0		
False	Unit	nvarchar	False	False	50	0	0		
False	Authorized	bit	True	False	0	1	0	(1)	
False	FirstName	nvarchar	False	False	50	0	0		
False	LastName	nvarchar	False	False	50	0	0		
False	Cell	varchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Vendor	Public	VendorId		
IX_Vendors	Public	PortalId VendorName		

Version

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	VersionId	int	True	True	0	0	0		
False	Major	int	True	True	0	0	0		
False	Minor	int	True	True	0	0	0		
False	Build	int	True	True	0	0	0		
False	CreatedDate	datetime	True	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_Version	Public	VersionId		
IX_Version	Public	Major Minor Build		

aspnet_Applications

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
False	ApplicationName	nvarchar	True	True	256	0	0		
False	LoweredApplicationName	nvarchar	True	True	256	0	0		
True	ApplicationId	uniqueidentifier	True	True	0	0	0	(newid())	
False	Description	nvarchar	False	False	256	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_aspnet_Applications_3F4B129	Public	ApplicationId		
UQ_aspnet_Applications_3E8D562	Public	LoweredApplicationName		
UQ_aspnet_Applications_5DCF99B	Public	ApplicationName		
aspnet_Applications_Index	Public	LoweredApplicationName		

aspnet_Membership

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
False	ApplicationId	uniqueidentifier	True	False	0	0	0		
True	UserId	uniqueidentifier	True	True	0	0	0		
False	Password	nvarchar	True	False	128	0	0		
False	PasswordFormat	int	True	False	0	0	0	(0)	
False	PasswordSalt	nvarchar	True	False	128	0	0		
False	MobilePIN	nvarchar	False	False	16	0	0		
False	Email	nvarchar	False	False	256	0	0		
False	LoweredEmail	nvarchar	False	False	256	0	0		
False	PasswordQuestion	nvarchar	False	False	256	0	0		
False	PasswordAnswer	nvarchar	False	False	128	0	0		
False	IsApproved	bit	True	False	0	1	0		
False	IsLockedOut	bit	True	False	0	1	0		
False	CreateDate	datetime	True	False	0	23	3		
False	LastLoginDate	datetime	True	False	0	23	3		
False	LastPasswordChangedDate	datetime	True	False	0	23	3		
False	LastLockoutDate	datetime	True	False	0	23	3		
False	FailedPasswordAttemptCount	int	True	False	0	0	0		
False	FailedPasswordAttempt	datetime	True	False	0	23	3		

	emptWindowStart								
False	FailedPasswordAnswerAttemptCount	int	True	False	0	0	0		
False	FailedPasswordAnswerAttemptWindowStart	datetime	True	False	0	23	3		
False	Comment	ntext	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK__aspnet_Membershi__48EFCE0F	Public	UserId		
aspnet_Membership_index	Public	ApplicationId LoweredEmail		

aspnet_Profile

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserId	uniqueidentifier	True	True	0	0	0		
False	PropertyNames	ntext	True	False	0	0	0		
False	PropertyValueString	ntext	True	False	0	0	0		
False	PropertyValueBinary	image	True	False	0	0	0		
False	LastUpdatedDate	datetime	True	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK__aspnet_Profile__5DEA5EAF5	Public	UserId		

aspnet_Roles

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ApplicationId	uniqueidentifier	True	False	0	0	0		
True	RoleId	uniqueidentifier	True	True	0	0	0	(newid())	
False	RoleName	nvarchar	True	False	256	0	0		
False	LoweredRoleName	nvarchar	True	False	256	0	0		

False	Description	nvarchar	False	False	256	0	0		
-------	-------------	----------	-------	-------	-----	---	---	--	--

Constraints

Name	Type	Columns	Initial Code	Notes
PK_aspNet_Roles_6774552F	Public	RoleId		
aspnet_Roles_index1	Public	ApplicationId LoweredRoleName		

aspnet_SchemaVersions

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	Feature	nvarchar	True	True	128	0	0		
True	CompatibleSchemaVersion	nvarchar	True	True	128	0	0		
False	IsCurrentVersion	bit	True	False	0	1	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_aspNet_SchemaVer_3E723F9C	Public	Feature CompatibleSchemaVersion		

aspnet_Users

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ApplicationId	uniqueidentifier	True	False	0	0	0		
True	UserId	uniqueidentifier	True	True	0	0	0	(newid())	
False	UserName	nvarchar	True	False	256	0	0		
False	LoweredUserName	nvarchar	True	False	256	0	0		
False	MobileAlias	nvarchar	False	False	16	0	0	(null)	
False	IsAnonymous	bit	True	False	0	1	0	(0)	
False	LastActivityDate	datetime	True	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_aspNet_Users_38B	Public	UserId		

Name	Type	Columns	Initial Code	Notes
96646				
aspnet_Users_Index	Public	ApplicationId LoweredUserName		
aspnet_Users_Index2	Public	ApplicationId LastActivityDate		

aspnet_UsersInRoles

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	UserId	uniqueidentifier	True	True	0	0	0		
True	RoleId	uniqueidentifier	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK__aspnet_UsersInRo__6B44E613	Public	UserId RoleId		
aspnet_UsersInRoles_index	Public	RoleId		

grmRepositoryAttributeValues

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	AttributeID	int	False	False	0	0	0		
False	ValueName	nvarchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_grmRepositoryAttribut eValues	Public	ItemID		
IX_grmRepositoryAttribute Values	Public	AttributeID		

grmRepositoryAttributes

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ModuleID	int	True	False	0	0	0		
False	AttributeName	nvarchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_grmRepositoryAttributes	Public	ItemID		
IX_grmRepositoryAttributes	Public	ModuleID		

grmRepositoryCategories

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemId	int	True	True	0	0	0		
False	ModuleId	int	False	False	0	0	0		
False	Category	nvarchar	True	False	100	0	0		
False	ViewOrder	int	False	False	0	0	0		
False	Parent	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_grmRepositoryCategories	Public	ItemId		
IX_grmRepositoryCategories	Public	ModuleId		

grmRepositoryComments

Database: SQL Server 2008, *Stereotype:* «table», *Package:* Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ObjectID	int	True	False	0	0	0		
False	CreatedByUser	nvarchar	False	False	100	0	0		
False	CreatedDate	datetime	False	False	0	23	3		
False	Comment	ntext	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_grmRepositoryComme nts	Public	ItemID		
IX_grmRepositoryComme nts	Public	ObjectID		

grmRepositoryObjectCategories

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
False	ItemID	int	True	False	0	0	0		
False	ObjectID	int	False	False	0	0	0		
False	CategoryID	int	False	False	0	0	0		

grmRepositoryObjectValues

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ObjectID	int	False	False	0	0	0		
False	ValueID	int	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_grmRepositoryObjectV alues	Public	ItemID		
IX_grmRepositoryObjectV alues	Public	ObjectID		

grmRepositoryObjects

Database: SQL Server 2008, Stereotype: «table», Package: Model

Detail: Created on 2/18/2015. Last modified on 2/18/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Pre c	Scal e	Init	Notes
True	ItemID	int	True	True	0	0	0		
False	ModuleID	int	False	False	0	0	0		
False	CreatedByUser	nvarchar	False	False	150	0	0		
False	CreatedDate	datetime	False	False	0	23	3		
False	UpdatedByUser	nvarchar	False	False	150	0	0		
False	UpdatedDate	datetime	False	False	0	23	3		
False	Name	nvarchar	False	False	150	0	0		

False	Author	nvarchar	False	False	150	0	0		
False	AuthorEmail	nvarchar	False	False	150	0	0		
False	FileSize	nvarchar	False	False	12	0	0		
False	Downloads	int	False	False	0	0	0		
False	PreviewImage	nvarchar	False	False	150	0	0		
False	Image	nvarchar	False	False	150	0	0		
False	FileName	nvarchar	False	False	150	0	0		
False	Clicks	int	False	False	0	0	0		
False	RatingVotes	bignint	False	False	0	19	0		
False	RatingTotal	bignint	False	False	0	19	0		
False	RatingAverage	float	False	False	0	53	0		
False	Approved	int	False	False	0	0	0		
False	ShowEMail	int	False	False	0	0	0		
False	Summary	ntext	False	False	0	0	0		
False	Description	ntext	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
PK_grmRepositoryObjects	Public	ItemID		
IX_grmRepositoryObjects	Public	ModuleID		

3.1.1.2.1 Database Size Estimate - provides size estimate of current design

There are no changes to the size estimate for R7

3.1.1.2.2 Database Failover Strategy

There are no changes to the database failover strategy for R7

3.1.1.2.3 Reports

There are no new reports in this release

3.2 Non-Database Management System Files

The following describes any updates to application data files (used for input or output), that are non-DBMS

3.2.1 EORS

The following describes the use of flat files in EORS WO 8 Release 7.

3.2.1.1 Service Error Logs

EORS uses DotNetNuke's Event Viewer that allows admins to observe errors.

4 HUMAN-MACHINE INTERFACE

4.1 EORS R7 GUI

4.1.1 Salt Usage Summary Report

The Salt Usage Summary Report will display a column of data for each season where shop reports exist in EORS

- The Summary Report will contain all SHA Districts and MDTA
- There will be a row in the report for each shop
- The data value for each shop is the average LBS Per Lane Mile Per Inch over the season
- The Summary Report will display Totals and Averages rows for each district and MDTA
- The totals row contains the total lane miles for the district
- The averages row contains the average LBS Per Lane Mile per Inch over each district and season.

4.1.1.1 Salt Usage Report Summary Default View

Salt Usage Report Parameters

Select the type of search you wish to perform

Season to Date

2016-2017

Date Range

and

Summary Only

Select Type of Drill Down

SHA Districts 1 - 7

MDTA

By District

-Select District-

By Shop

-Select Shop-

By Event

Show Events

Figure 4-1 Default View of Salt Usage Report Parameters Page

4.1.1.2 Salt Usage Report Parameters page - By MDTA

Salt Usage Report Parameters

Select the type of search you wish to perform

Season to Date

Date Range and

Summary Only

Select Type of Drill Down

SHA Districts 1 - 7

MDTA

By District
1
2
3
4
5
6
7
MDTA

By Shop

By Event

Show Events

Figure 4-2 Salt Usage Report Parameters Page – By MDTA

4.1.1.3 Salt Usage Report Parameters - By Event

Salt Usage Report Parameters

Select the type of search you wish to perform

Season to Date 2015-2016

Date Range 07/14/2015 and

Summary Only

Select Type of Drill Down

SHA Districts 1 - 7

MDTA

By District -Select District-

By Shop -Select Shop-

By Event -All- Appears when By Event is checked

Show Events

Figure 4-3 Salt Usage Report Parameters Page – By Event

4.1.1.4 Salt Usage Report Parameters - By Shop

Salt Usage Report Parameters

Select the type of search you wish to perform

Season to Date 2016-2017

Date Range

Summary Only

Select Type of Drill Down

SHA Districts 1 - 7

MDTA

By District

By Shop

By Event

Show Events

Select Shop-
8111 - Cambridge
8112 - Princess Anne
8113 - Salisbury
8114 - Snow Hill
8221 - Chestertown
8222 - Centreville
8223 - Denton
8224 - Easton
8225 - Elkton
8330 - Gaithersburg
8332 - Fairland
8333 - Laurel
8334 - Marlboro
8335 - Woodrow Wilson Bridge
8441 - Churchville
8443 - Owings Mills
8444 - Hereford
8445 - Golden Ring
8551 - Annapolis
8552 - Glen Burnie
8553 - La Plata
8554 - Leonardtown
8555 - Prince Frederick

Figure 4-4 Salt Usage Report Parameters Page – By Shop

4.1.1.5 Salt Usage Details Report

SQL Reporting Services										
Salt Usage Report										
 Winter Material Usage And Snowfall Accumulations Date Range: 7/1/2012 - 6/30/2013 11:59:00 PM SHA Districts 1 - 7 All Shops All Events Modified Depth = Snow Depth + (10 * Ice Depth)										
Shop/District	Events With Accumulation	Snow Depth In Inches	Ice Depth In Inches	Modified Depth In Inches	Tons Of Salt Used	LBS Per Lane Mile	LBS Per Lane Mile Per Inch	Total Gallons Of Liquid Used	Total Gallons Of Liquid Used Per Ton Of Salt	
8111-Cambridge (342.02 Lane Miles)	6.00	6.50	0.00	6.50	395.00	2,309.81	355.35	0.00	0.0	
8112-Princess Anne (282.67 Lane Miles)	5.00	8.50	0.00	8.50	712.00	5,037.68	592.67	0.00	0.0	
8113-Salisbury (537.45 Lane Miles)	3.00	3.75	0.00	3.75	1,460.00	5,433.06	1,448.82	2,450.00	1.7	
8114-Snow Hill (631.17 Lane Miles)	4.00	8.00	0.00	8.00	1,976.00	6,261.39	782.67	0.00	0.0	
District 1 Totals (1793.31 Lane Miles)					4,543.00			2,450.00	0.5	
District 1 Average	4.50	6.69	0.00	6.69		5,066.61	757.62			

Figure 4-5 Salt Usage Details Report

4.1.1.6 Salt Usage Summary Report – MDTA

Winter Material Usage And Snowfall Accumulations								
	Values Indicate Average LBS/Lane Mile/Inch of Snow/Ice Accumulation							
	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Baltimore Harbor Tunnel	28.31	0.00	0.00	0.00	94.75	0.00	0.00	0.00
Fort McHenry Tunnel	32.84	105.53	0.00	438.00	0.00	0.00	0.00	0.00
Francis Scott Key Bridge	30.72	271.21	0.00	0.00	0.00	0.00	0.00	0.00
Harry W. Nice Bridge	143.32	531.32	0.00	0.00	0.00	0.00	0.00	0.00
ICC East Operations Facility	0.00	0.00	0.00	85.46	55.35	152.68	0.00	0.00
John F. Kennedy Memorial Highway 1	10.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
John F. Kennedy Memorial Highway 2	63.59	128.16	321.99	0.00	0.00	0.00	0.00	0.00
William Preston Lane Memorial Bridg	30.89	0.00	0.00	0.00	0.00	34.68	0.00	0.00
Thomas J. Hatem Memorial Bridge	180.51	502.60	1,234.57	0.00	354.25	0.00	0.00	0.00
MDTA Totals	1,303.80							
MDTA Average	57.85	170.98	172.95	58.16	56.04	20.82	0.00	0.00

Figure 4-6 Salt Usage Summary Report – MDTA

4.1.1.7 Salt Usage Summary Report – By District

 <p align="center">Winter Material Usage And Snowfall Accumulations Data Range: 7/1/2011 - 6/30/2012 11:59:00 PM SHA District 2</p>										
Shop/District	Events With Accumulation	Snow Depth In Inches	Ice Depth In Inches	Modified Depth In Inches	Tons Of Salt Used	LBs Per Lane Mile	LBs Per Lane Mile Per Inch	Total Gallons Of Liquid Used	Total Gallons Of Liquid Used Per Ton Of Salt	
8221-Chestertown (358.23 Lane Miles)	3.00	1.75	0.28	4.50	661.00	3,690.37	820.08	11,680.00	17.7	
8222-Centreville (568.53 Lane Miles)	2.00	2.25	0.20	4.25	825.00	2,902.22	682.88	11,900.00	14.4	
8223-Denton (333.59 Lane Miles)	6.00	4.65	0.19	6.55	586.00	3,513.29	536.38	7,000.00	11.9	
8224-Easton (330.31 Lane Miles)	5.00	3.10	0.18	4.85	606.00	3,669.28	756.55	4,000.00	6.6	
8225-Elkton (472.47 Lane Miles)	5.00	8.00	0.25	10.50	1,928.00	8,161.36	777.27	7,765.00	4.0	
District 2 Totals (2063.13 Lane Miles)					4,606.00			42,345.00	9.2	
District 2 Average	4.20	3.95	0.22	6.13		688.68	112.35			

Figure 4-7 Salt Usage Summary Report – By District

4.1.2 Winter Operations Performance Report

The Winter Operations Performance Report accepts the following parameters.

- Season or Date Range
- Drill down by shop, district or no drill down
- Drill Down by Event(s)

4.1.2.1 Winter Operations Performance Report Parameters Page Default

The screenshot shows the 'Winter Operations Performance Report Parameters' page. It has a dark header bar with the title. Below it, the main content area is titled 'Winter Operations Performance Report'. Under this, there's a section for 'Select Report Type' with two options: 'Season' (selected) and 'Date Range'. The 'Season' option has a dropdown menu showing '2015-2016'. The 'Date Range' option includes date pickers for start and end dates. Next is a 'Select Drill Down Type' section with three options: 'None' (selected), 'Shop' (with a dropdown menu '-Select Shop-'), and 'District' (with a dropdown menu 'MdTA'). Below that is a 'Select Event(s)' section with two options: 'Include All Events in the Specified Season/Date Range' (selected) and 'Select Specific Event(s)'. At the bottom is a 'Go' button.

Figure 4-8: Winter Operations Performance Report Parameters Page Default View Screen Shot

4.1.2.2 Winter Operations Performance Report Parameters Page Date Range

Winter Operations Performance Report Parameters

Winter Operations Performance Report

Select Report Type

Season

Date Range to

Select Drill Down Type

None

Shop

District

Select Event(s)

Include All Events in the Specified Season/Date Range

Select Specific Event(s)

The date range selector shows a calendar for July 2015. The date 14 is highlighted with a blue border, indicating it is the selected date.

Figure 4-4: Winter Operations Performance Report Parameters Page Date Range Screen Shot

4.1.2.3 Winter Operations Performance Report Parameters Page Specify Event(s)

Winter Operations Performance Report Parameters

Winter Operations Performance Report

Select Report Type

Season

Date Range to

Select Drill Down Type

None

Shop

District

Select Event(s)

Include All Events in the Specified Season/Date Range

Select Specific Event(s)

The dropdown menu for 'Select Specific Event(s)' contains the following items:

- Select Event-
- 141101W001
- 141113W002

Figure 4-5: Winter Operations Performance Report Parameters Page Specify Event(s) Screen Shot

4.1.2.4 Winter Operations Performance Report

The following screen shots depict the Winter Operations Performance Report. In the case where no data is available for the specified parameters, a user friendly message will be displayed indicating that no data is available.

4.1.2.5 Winter Operations Performance Report – No Data

The screenshot shows a Microsoft Excel-like interface with the SHA logo at the top left. The title bar reads "Winter Operations Performance Report for 7/1/2016-6/30/2017". Below the title, a message says "No Data For Selected Range.....". The interface includes standard navigation buttons (back, forward, search) and a zoom level of 100%.

Figure 4-6: Winter Operations Performance Report – No Data Screen Shot

4.1.2.6 Winter Operations Performance Report Default View

141119W004												
District	Shop	Season	Mobilization Time	Operations complete Time	Event Duration (Hours)	Max Personnel	Max Contract Dump Trucks	Max State Dump Trucks	Min Pavement Temperature	Precipitation Begin	Precipitation End	
6	8667 Keyzers Ridge	2014-2015	11/20/2014 9:00:00 PM	11/21/2014 11:00:03 AM	14.00	55	0	17	16	11/20/2014 8:58:32 AM	11/20/2014 11:01:45 AM	
141125W005												
District	Shop	Season	Mobilization Time	Operations complete Time	Event Duration (Hours)	Max Personnel	Max Contract Dump Trucks	Max State Dump Trucks	Min Pavement Temperature	Precipitation Begin	Precipitation End	
2	8221 Chestertown	2014-2015	11/26/2014 4:00:45 PM	11/26/2014 7:55:28 PM	3.91	16	0	9	37	N/A	N/A	
2	8222 Centreville	2014-2015	11/26/2014 7:00:08 PM	12/2/2014 6:05:36 AM	131.09	22	0	15	38	N/A	N/A	
2	8225 Elkton	2014-2015	11/26/2014 10:51:10 AM	11/26/2014 9:48:46 PM	10.96	34	2	18	33	11/26/2014 10:11:18 AM	11/26/2014 9:48:46 PM	
3	8330 Gaithersburg	2014-2015	11/26/2014 7:03:16 PM	11/27/2014 7:01:17 AM	11.97	47	0	24	32	11/26/2014 9:27:06 AM	11/26/2014 3:56:59 PM	
3	8332 Fairland	2014-2015	11/26/2014 8:52:58 PM	11/27/2014 6:50:46 AM	9.96	46	0	24	33	11/26/2014 10:26:41 AM	11/26/2014 8:52:58 PM	
3	8333 Laurel	2014-2015	11/26/2014 5:00:12 PM	11/27/2014 7:00:00 AM	14.00	42	0	25	32	11/26/2014 10:30:08 AM	11/26/2014 5:00:12 PM	
4	8441 Churchville	2014-2015	N/A	11/27/2014 7:20:52 AM	N/A	40	4	20	33	11/26/2014 9:46:58 AM	11/26/2014 7:31:50 PM	
4	8443 Owings Mills	2014-2015	11/27/2014 6:58:38 AM	11/27/2014 7:57:58 AM	0.99	46	0	23	32	11/26/2014 8:49:38 AM	11/26/2014 7:59:04 PM	
4	8444 Hereford	2014-2015	11/26/2014 9:09:17 AM	11/27/2014 7:32:13 AM	22.38	41	0	24	31	11/26/2014 9:09:17 AM	11/26/2014 9:24:30 PM	
4	8445 Golden Ring	2014-2015	11/27/2014 6:34:51 AM	11/27/2014 8:07:31 AM	1.54	37	0	20	34	11/26/2014 9:24:22 AM	11/26/2014 8:33:56 PM	
6	8662 LaVale	2014-2015	11/26/2014 4:58:40 AM	11/27/2014 7:32:45 AM	26.57	34	45	18	32	11/26/2014 12:50:50 PM	11/26/2014 10:46:17 PM	
6	8665 Hagerstown	2014-2015	11/26/2014 5:55:11 AM	12/2/2014 6:07:05 AM	144.20	45	48	23	32	11/26/2014 6:38:12 AM	11/27/2014 5:49:49 AM	
6	8667 Keyzers Ridge	2014-2015	11/26/2014 5:00:00 AM	11/27/2014 12:00:00 PM	31.00	59	24	17	30	N/A	N/A	
7	8770	2014-2015	11/26/2014 5:47:12 PM	11/26/2014 7:43:21 PM	1.94	35	10	17	32	11/26/2014 9:47:04 AM	11/26/2014 7:43:21 PM	

Figure 4-7: Winter Operations Performance Report Default View Screen Shot

4.1.2.7 Winter Operations Performance Report District Drilldown

Winter Operations Performance Report for 7/1/2014-6/30/2015													
141125W005													
District	Shop	Season	Event Start Time	Operations complete Time	Event Duration (Hours)	Max Personnel	Max Contract Dump Trucks	Max State Dump Trucks	Min Pavement Temperature	Precipitation Begin	Precipitation End	Frozen Precipitation Duration (Hours)	Snow Accum
3	8330 Gaithersburg	2014-2015	11/26/2014 10:54:38 AM	11/27/2014 7:01:17 AM	20.11	47	0	24	29	11/26/2014 3:10:11 PM	11/26/2014 3:56:59 PM	0	2
3	8332 Fairland	2014-2015	11/26/2014 10:26:41 AM	11/27/2014 6:50:46 AM	20.40	46	0	24	34	11/26/2014 6:57:02 PM	11/26/2014 8:52:58 PM	1	0.25
3	8333 Laurel	2014-2015	11/26/2014 8:30:00 AM	11/27/2014 7:00:00 AM	22.50	42	0	25	33	11/26/2014 3:06:14 PM	11/26/2014 5:00:12 PM	1	0.25

150105W021													
District	Shop	Season	Event Start Time	Operations complete Time	Event Duration (Hours)	Max Personnel	Max Contract Dump Trucks	Max State Dump Trucks	Min Pavement Temperature	Precipitation Begin	Precipitation End	Frozen Precipitation Duration (Hours)	Snow Accum
3	8330 Gaithersburg	2014-2015	1/6/2015 5:15:30 AM	1/7/2015 8:00:31 AM	26.75	48	70	24	19	1/6/2015 1:13:12 PM	1/6/2015 2:13:13 PM	1	4
3	8332 Fairland	2014-2015	1/6/2015 4:52:08 AM	1/7/2015 9:51:00 AM	28.98	51	40	27	23	1/6/2015 11:53:39 AM	1/6/2015 12:41:11 PM	0	4
3	8333 Laurel	2014-2015	1/6/2015 5:00:06 AM	1/7/2015 9:27:30 AM	28.46	45	63	29	17	1/6/2015 12:15:25 PM	1/6/2015 1:15:05 PM	0	4
3	8334 Marlboro	2014-2015	1/6/2015 5:07:10 AM	1/7/2015 8:12:40 AM	27.09	44	33	26	20	1/6/2015 12:11:58 PM	1/6/2015 1:15:59 PM	1	3

Figure 4-8: Winter Operations Performance Report District Drilldown Screen Shot

4.1.2.8 Winter Operations Performance Report Shop Drilldown

150102W019													
District	Shop	Season	Mobilization Time	Operations complete Time	Event Duration (Hours)	Max Personnel	Max Contract Dump Trucks	Max State Dump Trucks	Min Pavement Temperature	Precipitation Begin	Precipitation End	Frozen Precipitation Duration (Hours)	Snow Accum
3	8330 Gaithersburg	2014-2015	N/A	1/3/2015 12:00:46 PM	N/A	8	0	5	34	N/A	N/A		

150105W021													
District	Shop	Season	Mobilization Time	Operations complete Time	Event Duration (Hours)	Max Personnel	Max Contract Dump Trucks	Max State Dump Trucks	Min Pavement Temperature	Precipitation Begin	Precipitation End	Frozen Precipitation Duration (Hours)	Snow Accum
3	8330 Gaithersburg	2014-2015	N/A	1/7/2015 8:00:31 AM	N/A	48	70	24	19	1/6/2015 3:59:56 AM	1/6/2015 2:13:13 PM		

150111W024													
District	Shop	Season	Mobilization Time	Operations complete Time	Event Duration (Hours)	Max Personnel	Max Contract Dump Trucks	Max State Dump Trucks	Min Pavement Temperature	Precipitation Begin	Precipitation End	Frozen Precipitation Duration (Hours)	Snow Accum
3	8330 Gaithersburg	2014-2015	1/12/2015 1:13:58 AM	1/13/2015 7:40:09 AM	30.44	50	56	25	30	N/A	N/A		

Figure 4-9: Winter Operations Performance Report Shop Drilldown Screen Shot

4.1.3 Create Statewide Plan – Add ability to email outlook distribution groups

4.1.3.1 Create Statewide Plan – Outlook Group Checkboxes

District 6 Include in Report: Yes No

No Plans Submitted

District 7 Include in Report: Yes No

No Plans Submitted

MDTA Include in Report: Yes No

No Plans Submitted

Email Outlook Distribution Groups

- Test group 1
- Test group 2
- Test group 3
- Test group 4
- Test group 5

[Create Statewide Operations Plan](#)

4.1.3.2 Create Statewide Plan – Success condition

Create Statewide Ops Plan

The document you have created has been saved to the file archive with the filename:

EOP100716162233.pdf

To save your file RIGHT click your mouse on the link and choose "Save Target As ...". To view your document now L after viewing).

[Requested Document \(EOP100716162233.pdf\)](#)

Email to Test group 1 successfully sent

5 DETAILED DESIGN

5.1 Hardware Detailed Design

There is no new hardware (servers, devices, etc.) deployed that is related to EORS WO 8 R7.

5.2 Software Detailed Design

5.2.1 Key Design Concepts

5.2.1.1 *Salt Usage Report Design*

The Salt Usage Report was designed for by the Office of Maintenance (OOM) to provide data related to the amount of road salt used by SHA and MDTA shops during winter events. For all seasons prior to 2015-2016 this report contained data for districts 1 - 7 only. The EORS 2015 Pre-winter task added MDTA data to the report. The goal of the report is to give OOM personnel an overview of shop salt usage in response to winter storm events over a given timespan. The report contains some other summary statistics that will be described in the report fields table below.

There are two types of Salt Usage Report: The Salt Usage Summary Report and the Salt Usage Details Report.

The Salt Usage Summary Report contains a row for each shop in EORS. Each shop row contains a column for each season in EORS where event shop reports exist. The data for each shop/season combination is the average pounds of salt per lane mile per inch of snow/ice accumulation over the season. The report is grouped by district and each district contains a totals and averages row. The totals row only contains the total number of lane miles in the district. The averages row contains the average pounds of salt per lane mile per inch of snow/ice accumulation taken across the district and season.

The Salt Usage Details Report is grouped by district and each shop within the district appears in one row only. Each district is summarized with a district averages row and a district totals row. In the event that the report is run for all SHA shops (districts 1 - 7), SHA averages and totals rows will be included. If a report is run for a specific shop or district, SHA totals and averages will not be included. The data for the details report is taken from the event shop reports using a query embedded in the report.

The table below lists all of the fields that are displayed in the Salt Usage Report. With each field in the table is a description of what the expected value of the field should be and how it is calculated.

Field	Description
Events with Accumulation	This field is a counter of events where the shop reported snow/ice accumulation in the specified time frame
Snow Depth in inches	This field is maximum snow accumulation report by the shop during the event
Ice Depth in inches	This file is maximum ice depth reported by the shop during the event
Modified Depth in Inches	This filed is calculated as Snow Depth + (10 * Ice Depth)
Tons of Salt Used	This field is the sum of the reported salt usage (in tons) for each event the shop reported on
Lbs. per lane Mile	This field is calculated as Tons of Salt Used (previously described) * 2000 / shop lane miles. The total number of lane miles for each shop is stored in the EORSV2 database
Lbs. per Lane Mile Per Inch	This field is calculated as the Lbs. per Lane Mile (previously described) / Shop Lane Miles / Modified Depth(previously described)
Total Gallons of Liquid Used	This field is the sum of all types of liquid treatment used by the shop over the specified timespan. The types of liquid treatment are: Salt Brine, Salt Brine Enhanced, Magnesium Chloride and Magnesium Chloride Enhanced.
Total Gallons of Liquid Used per Ton of Salt	This field is the Total Gallons of Liquid Used (described above) divided by the Tons of Salt Used (previously described)

The table below lists all of the fields that will be displayed in the Salt Usage Report district and SHA totals rows:

Field	Description
Lane Miles	This field will show the total lane miles in the district/SHA
Total Tons of Salt Used	This field will contain the sum of the shop salt usage in tons over the district/SHA
Total Gallons of Liquid Used	This field will contain the sum of all shop liquid treatment in gallons over the district/SHA. The types of liquid treatment are: Salt Brine, Salt Brine Enhanced, Magnesium Chloride and Magnesium Chloride Enhanced.

Total Gallons of Liquid Used per Ton of Salt	This field will contain the sum of liquid used by the shop (described above) divided by the sum of the tons of salt used (described previously).
--	--

The table below lists all the fields that will be displayed in the Salt Usage Report district and SHA averages rows:

Field	Description
Average Events with Accumulation	The sum of the counts of shop events with accumulation divided by the number of shops (an average of the column above it)
Average Accumulation	The sum of the shop accumulations divided by the number of shops (an average of the column above it)
Average Lbs. per Lane Mile	The sum of the shop tons of salt used times 2000 divided by the sum of the shop lane miles (Tons * 2000/District (or SHA) Lane Miles)
Average Lbs. per Lane Mile per Inch	The sum of the shop tons of salt used times 2000 divided by the sum of the shop lane miles divided by the sum of the shop accumulations (Tons * 2000 / District (or SHA) Lane Miles / Total Accumulation). If no accumulation was reported this field will default to zero.

Report Parameters

The Salt Usage Report takes multiple parameters. The summary report takes no parameters other than a Boolean indicating that the summary report is to be returned. When this option is selected the "By Event" and "Show Events" checkboxes will be hidden and all other parameter fields will be disabled.

The details report (i.e., non-summary report) requires that either a season (which will be converted to a date range in the report query) or a specific date range if a partial season is desired. The details report will also accept some drill down parameter options.

Reports may be run for SHA Districts 1 - 7 or MDTA but not both at the same time.

Reports may also be run for a specific district or shop. Reports may be run for specific events as well. Some of the parameters may be used in combination with others to get different reports. A season or date range may be used in combination with drill down by SHA, MDTA, district or shop to return data for the specified entity only. Also season or date range may be combined with a specific event to return data for all shops (SHA or MDTA) for the specified event only. Lastly, season or date range may be combined with any SHA, MDTA, district, shop drill down together with an event.

By default the Salt Usage Report will show one row per shop. However, if the "Show Events" checkbox is selected, the report will display a data row for each event that each shop reported upon over the given time frame.

The table below lists all of the parameters the Salt Usage Details Report will accept. The first column is the parameter name. The second column is a description of the parameter and the third column shows what parameters it may be combined with.

Parameter	Description	Combine With
Season (default)	The season parameter is a string such as 2014-2015. It will be automatically converted to a date range in the report. Each season begins on July 1 and ends June 30. For example the season 2014-2015 will be converted to July 1, 2014 - June 30, 2015. In this case the report will include all events between the converted dates.	SHA, MDTA, By District, By Shop, By Event, Show Events
Date Range	Time pickers may be used to send a specific date range to the report. In this case no conversion needs to take place in the report. The report will include all events between the specified dates.	SHA, MDTA, By District, By Shop, By Event, Show Events
Summary Only	When this option is selected EORS will return the Salt Usage Summary Only Report. No other report parameters will be accepted.	None
SHA Districts 1 - 7 (default)	All shops in Districts 1 - 7 will be included in the report. MDTA will be excluded.	Season, Date Range, BY Event, Show Events
MDTA	All MDTA shops will be included in the report. Districts 1 - 7 will be excluded.	Season, Date Range, BY Event, Show Events
By District	Only the specified district/MDTA will be included in the report	Season, Date Range, BY Event, Show Events
By Shop	Only the specified shop will be included in the report	Season, Date Range, BY Event, Show Events
By Event	Only the specified event will be included in the report	Season, Date Range, SHA, MDTA, By District, By Shop
Show Events	When this option is selected, the report will display a row for each event/shop combination	Season, Date Range, SHA, MDTA, By District, By Shop, By Event

The default parameter set is season and SHA Districts 1 - 7 with By Event and Show Events unchecked.

5.2.1.1 Salt Usage Class Diagram

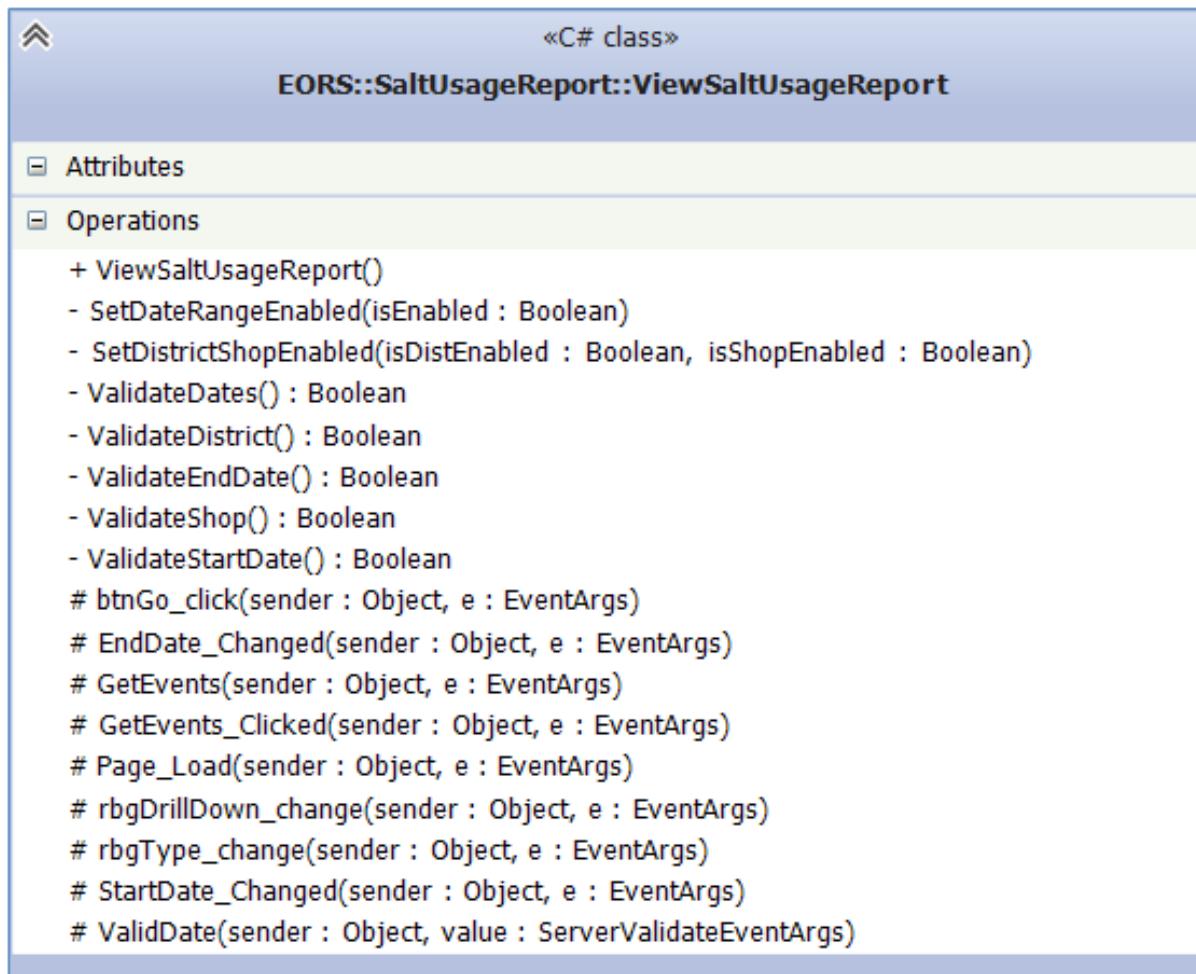


Figure 5-1: ViewSaltUsageReport Class Diagram

5.2.1.1.2 Salt Usage Report Overview Sequence Diagram

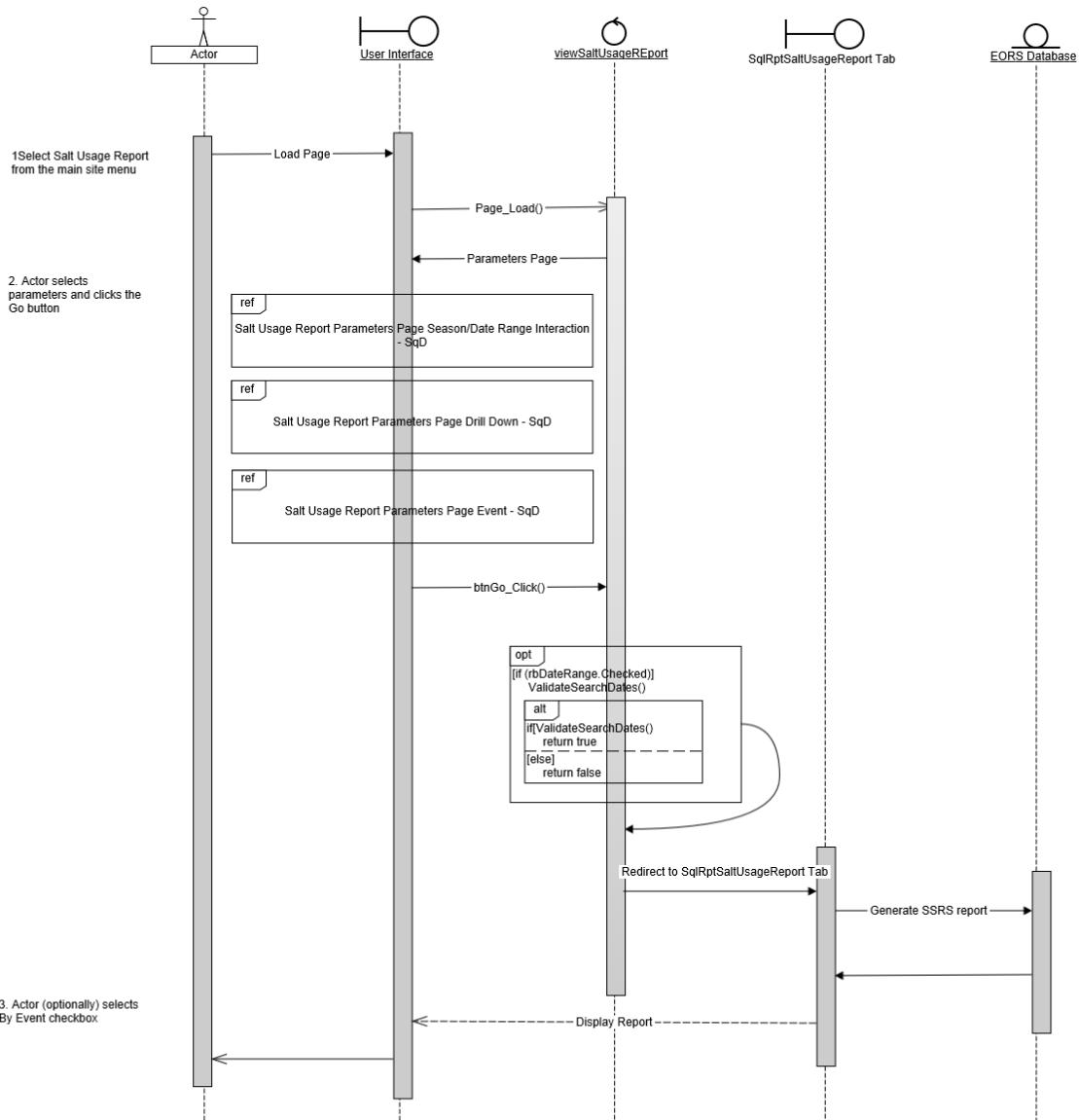


Figure 5-2: Salt Usage Report Class Overview sequence diagram

5.2.1.1.3 Salt Usage Report Drill Down Sequence Diagram

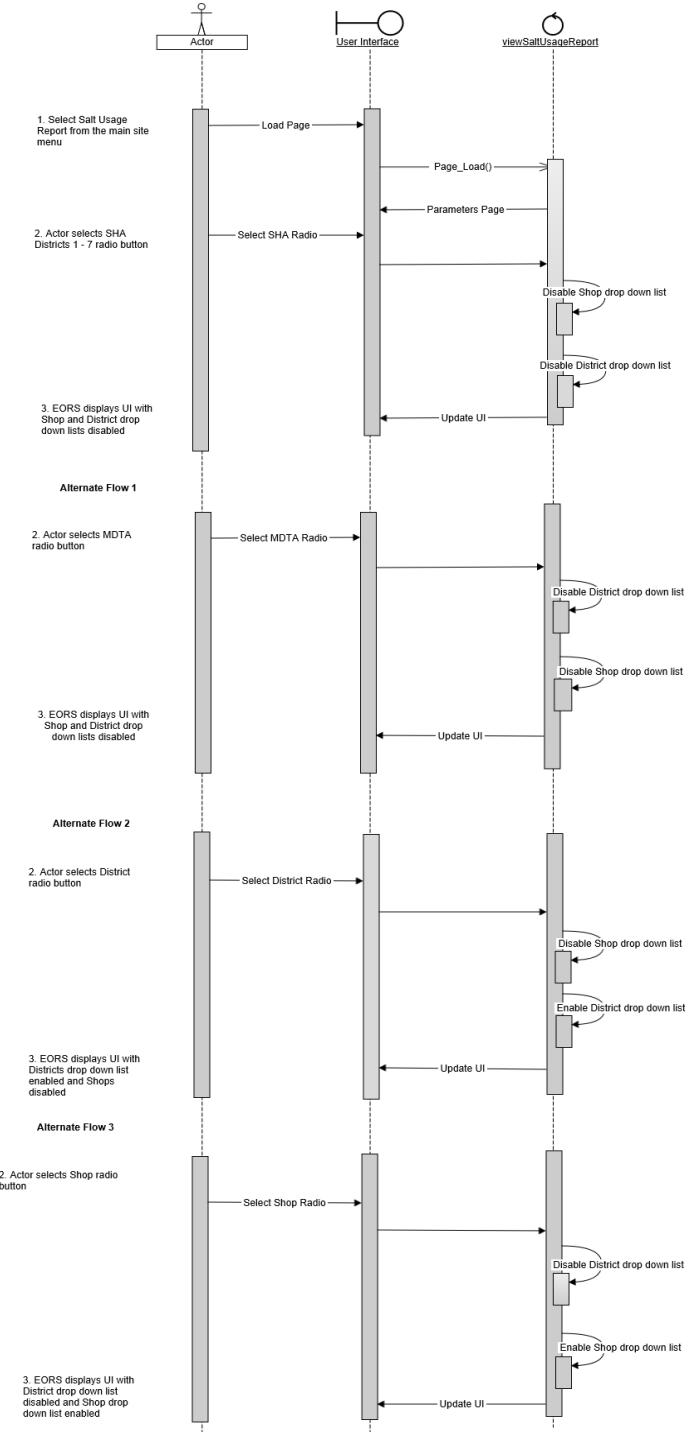


Figure 5-3: Salt Usage Report Drill down sequence diagram

5.2.1.1.4 Salt Usage Report Parameters Page Events Sequence Diagram

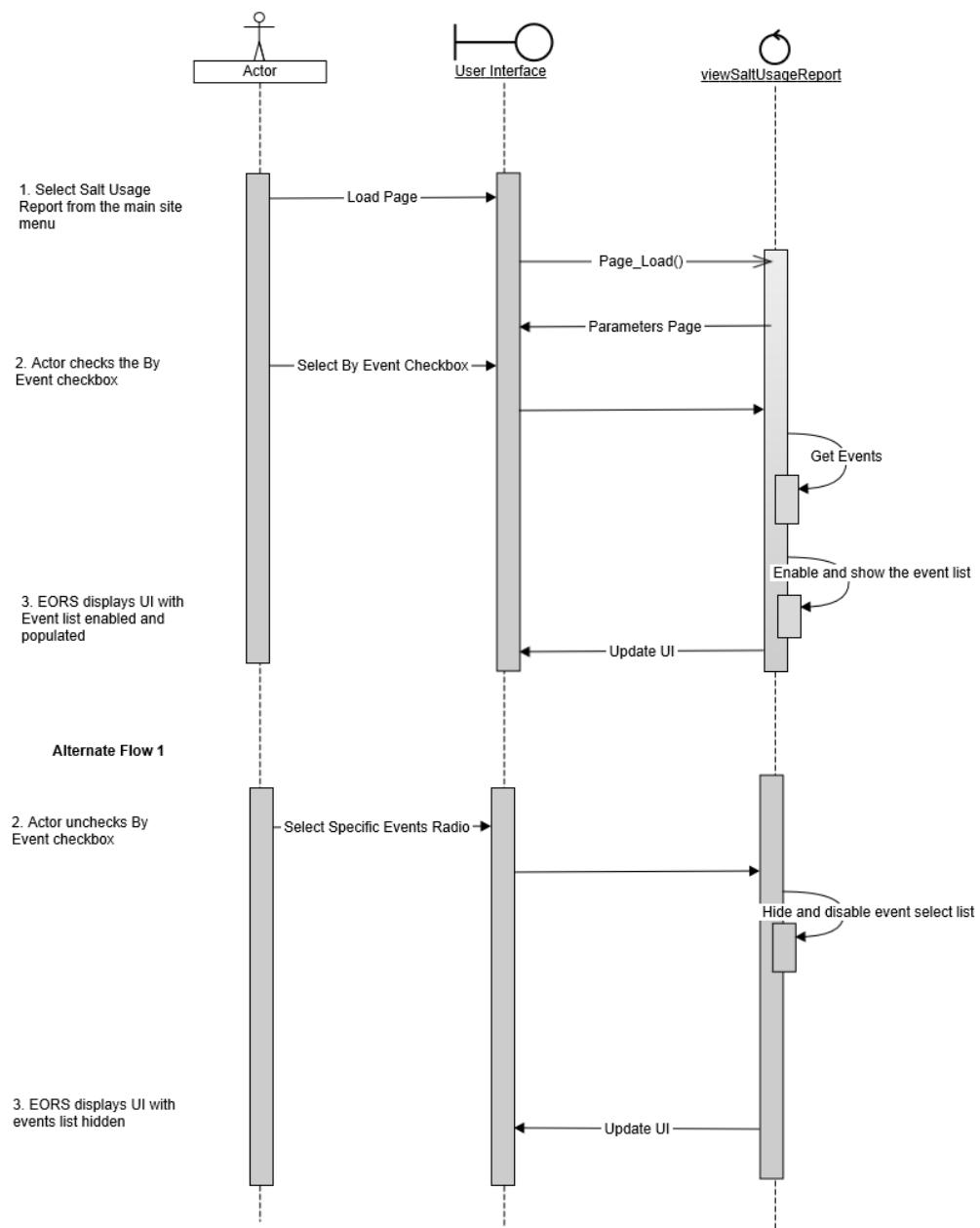


Figure 5-4: Salt Usage Report Parameter Page sequence diagram

5.2.1.1.5 Salt Usage Report Parameters Page Season/Date Range Interaction Sequence Diagram

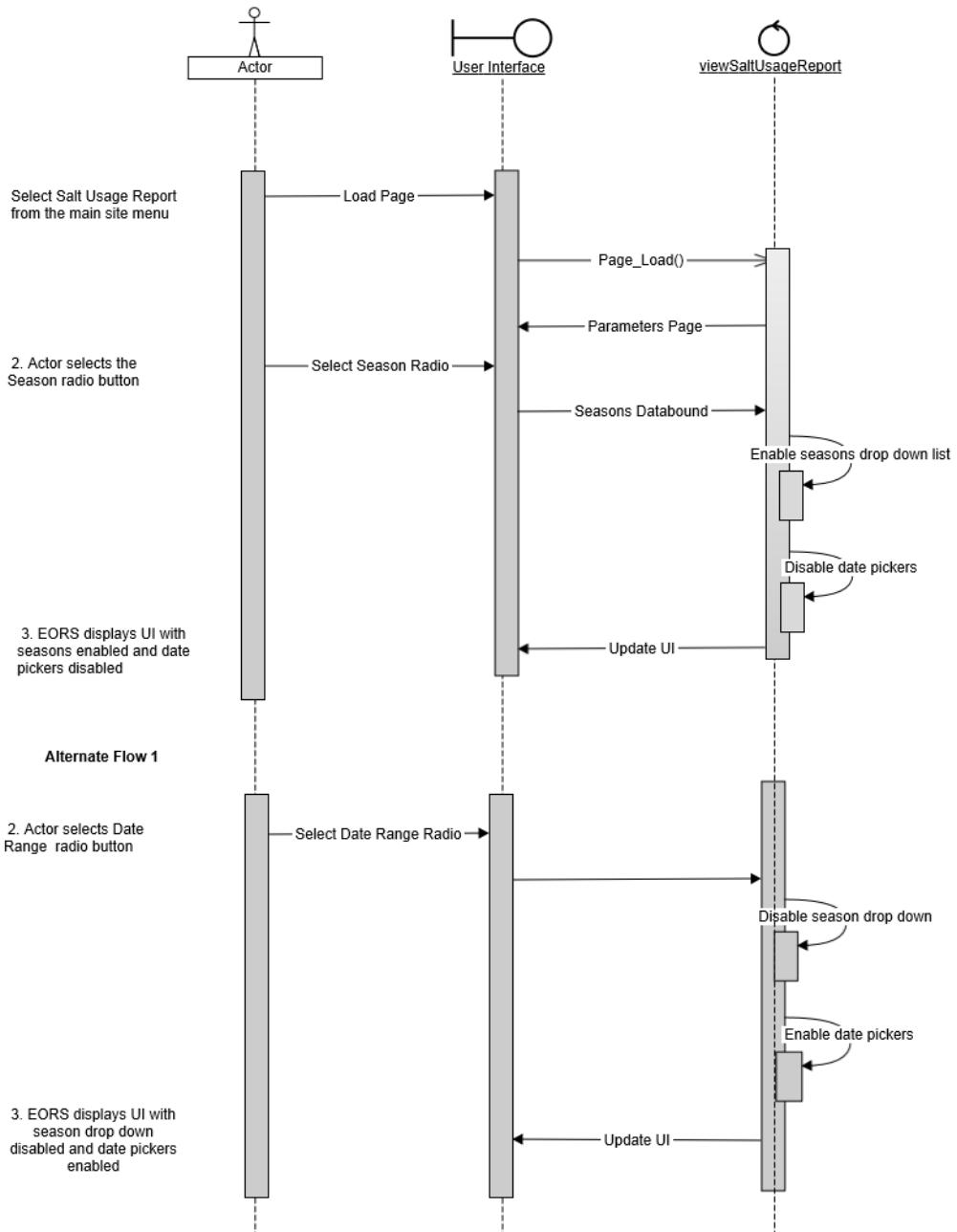


Figure 5-5: Salt Usage Report Parameters Page Season/Date Range Interaction sequence diagram

5.2.1.2 Winter Operations Performance Report

The Winter Operations Performance Report was requested by the Office of Maintenance (OOM). For all seasons prior to 2015-2016 this report contained Districts 1 - 7 only. Updates for the Pre-winter 2015 task will include MDTA in the reports. The goal of the report is to give OOM personnel an overview of the shop performance for each shop on each winter storm response. The output of the report will be grouped by event ID and each shop that responded to the event will be represented by a row in the event group. Shops that did not respond to an event will not be included in it group in the report. Each event will be displayed in the report in tabular form and will show the event ID above the table. The data for the report is taken from the EORSV2 database event shop reports and returned using the stored procedure named **EORS_Report_Winter_Ops_Performance**.

The table below lists all of the fields that will be displayed in the report. With each field in the table is a description of what the expected value of the field should be and how it is calculated. In some of the field descriptions (e.g. Mobilization Time, Precipitation Begin, etc.) there will be a phrase such as the "first report" or "last report". This is significant in the calculations used in the report.

Field	Description
District	District number or MDTA where the shop is assigned
Shop	Shop number and name
Season	The season in which the event occurred
Event Start Time	Timestamp for the first report where "Pre-Event Operations" was not selected.
Operations Complete time	Timestamp for the report where the shop chose "Operations Complete" as their operations type.
Event Duration	Number of hours between the shop's last report of "Mobilization" and "Operations Complete". If the shop never chose "Mobilization" this column will contain "N/A"
Max Personnel	This field will contain the largest number of state personnel reported at any one time for the shop during the event. All shop reports for the event will be searched.
Max Contract Dump Trucks	This field will contain the largest number of contract dump trucks reported at any one time for the shop during the event. All shop reports for the event will be searched.

Max State Dump Trucks	This field will contain the largest number of state dump trucks reported at any one time for the shop during the event. All shop reports for the event will be searched.
Min Pavement Temperature	This field will contain the lowest pavement temperature reported for the shop during the event. All shop reports for the event will be searched.
Precipitation Begin	Timestamp of the first shop report where frozen precipitation was reported on the weather tab
Precipitation End	Timestamp of the first shop report where no frozen precipitation was reported after the Precipitation Start time
Frozen Precipitation Duration	Timespan in hours between Precipitation Start and Precipitation End
Snow Accumulation	The maximum amount of snow/ice accumulation reported by the shop during the event
Restore Bare Pavement Time	The timestamp of the shop report when bare pavement was achieved. Bare pavement occurs when a shop reports roads as dry, wet or N/A after they have been reported with some coverage
Achieved Bare Pavement Time	The timespan between precipitation end and road restore time
Salt Used	The tones of salt used by the shop for the storm response
LBL/Lane Mile/Inch	The pounds of salt used per lane mile per inch of snow ice accumulation. The lane miles for each shop are stored in the database. The calculation used is: Tons of Salt * 2000 / Lane Miles/ Accumulation reported

Table 2: Winter Operations Performance Report Fields

Report Parameters

The Winter Operations Performance Report takes multiple parameters. The only required parameter is a date range. The date range may be sent as a season or as starting and ending dates if a partial season is desired. The report will display all events that were active during the season/date range supplied. The report may also be run for one or more specific event IDs. If event ID(s) are sent parametrically, the report will only contain those events. Lastly, the report may be filtered by shop or district. If a shop or district (or MDTA) is used as a parameter, only that shop/district/MDTA will be displayed in the report.

Report parameters may be combined to produce different reports. A season or date range may be combined with a shop or district to produce a report that only contains

data for the specified shop/district over the given timespan. A season or date range may also be combined with one or more event IDs to produce a report that contains data for the specified events and date range/season. Also, a season/date range may be combined with a shop or district and with event IDs to produce a report that contains data for the shop/district for the specified event(s) over the given timespan.

The following table shows the parameters that the Winter Operations Performance Report can accept. The first column is the parameter name. The second column is a description of the parameter and the third column shows what parameters it may be combined with.

Parameter	Description	Combine With
Season (default)	The season parameter is a string such as 2014-2015. It will be automatically converted to a date range in the report. Each season begins on July 1 and ends June 30. For example the season 2014-2015 will be converted to July 1, 2014 - June 30, 2015. In this case the report will include all events between the converted dates.	Shop, District/MDTA, Event(s)
Date Range	Time pickers may be used to send a specific date range to the report. In this case no conversion needs to take place in the report. The report will include all events between the specified dates.	Shop, District/MDTA, Event(s)
No Drill Down (default)	No shop or district/MDTA filtering will occur. All shops, districts and MDTA will be included in the report.	Season, Date Range, Event(s)
Shop	Only the specified shop will be included in the report	Season, Date Range, Event(s)
District	Only the specified district/MDTA will be included in the report	Season, Date Range, Event(s)
Include All Events (default)	All events over the specified season/date range will be included in the report.	Season, Date Range, Shop, District
Specific Events(s)	Only the specified event(s) will be included in the report	Season, Date Range, Shop, District

Table 3: Winter Operations Performance Report Parameters

The following changes to the Winter Operations Performance Report are included in WO8 EORS Release 7:

1. The Events Start Time column will be renamed as Operations Start Time
2. The Operations Start Time will be the first occurrence of operations type Mobilization or Emergency Operations
3. The Operations Paused state will not be used in report calculations
4. Redeployed personnel and dump trucks will be included in the report

5.2.1.3.1 ViewWinterOpsPerformanceReport Class Diagram

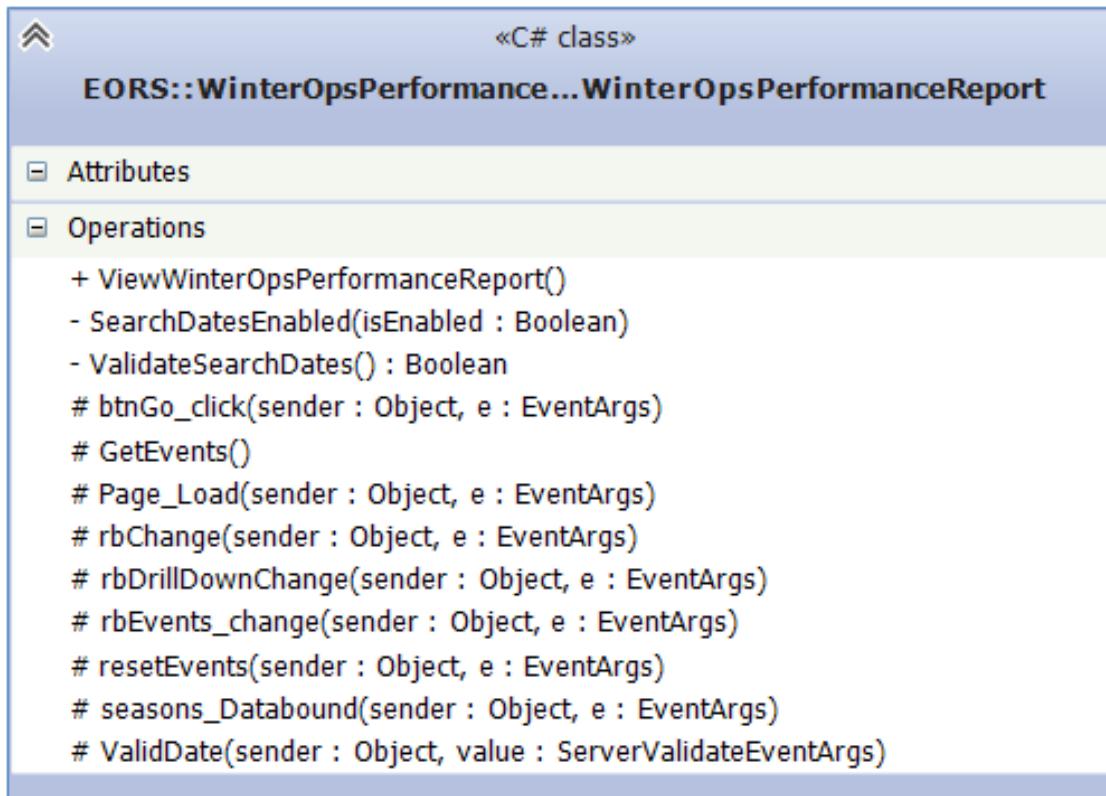


Figure 5-6: ViewWinterOpsPerformanceReport Class Diagram

5.2.1.3.2 Winter Operations Performance Report Parameters Page Sequence Diagram

The following sequence diagram shows the possible interactions a user may have with the Winter Operations Performance Report parameters page. Users may run the report for a season or specific date range. Users may also elect to filter report by shop, district or specific event(s).

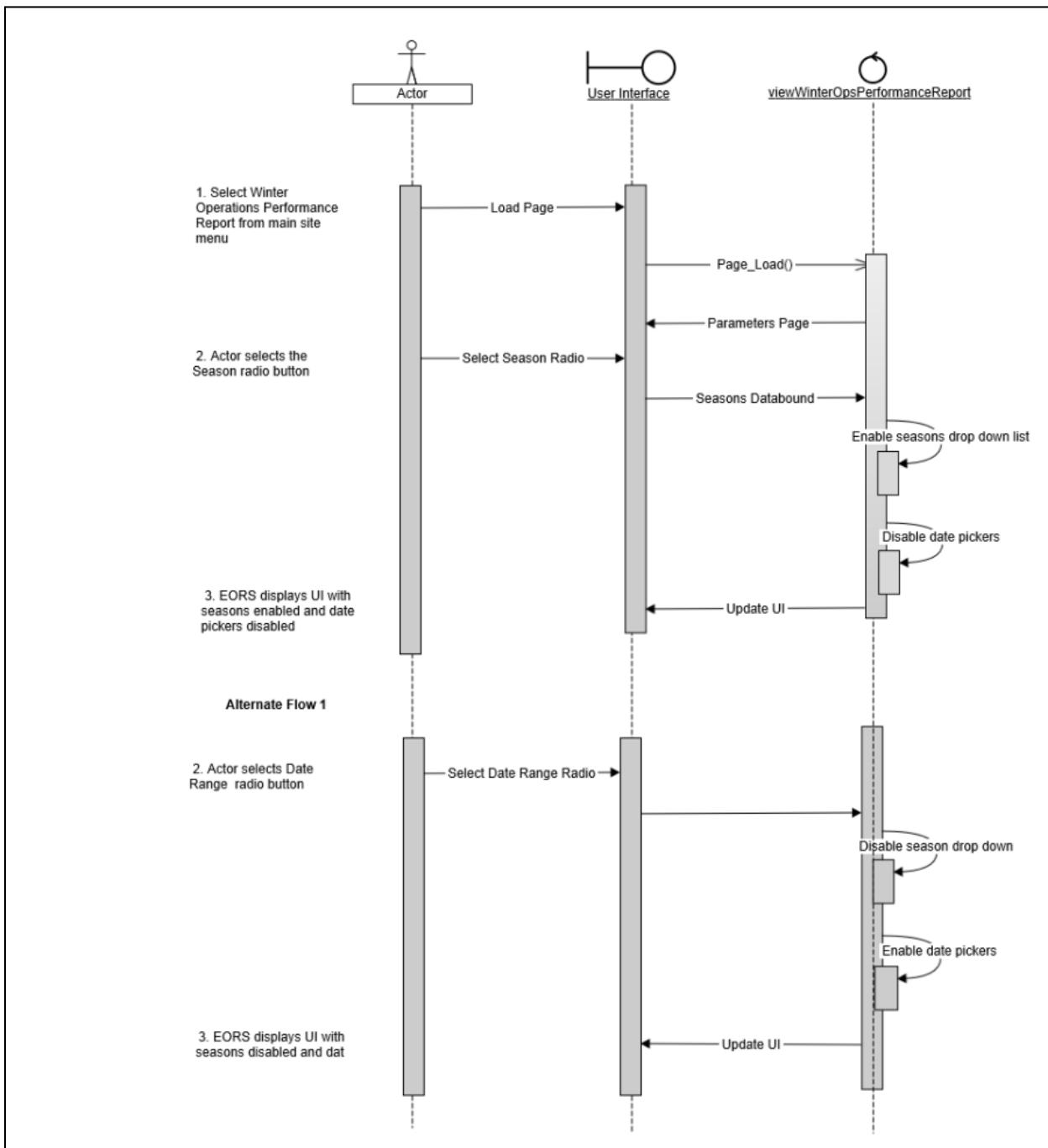


Figure 5-7: Winter Operations Performance Report Parameters Page Sequence Diagram

5.2.1.3.3 Winter Operations Performance Report Parameters Page Drilldown Sequence Diagram

The following sequence diagram shows the user interactions with the Winter Operations Performance Report parameters page when the user wishes to filter report results by shop or district.

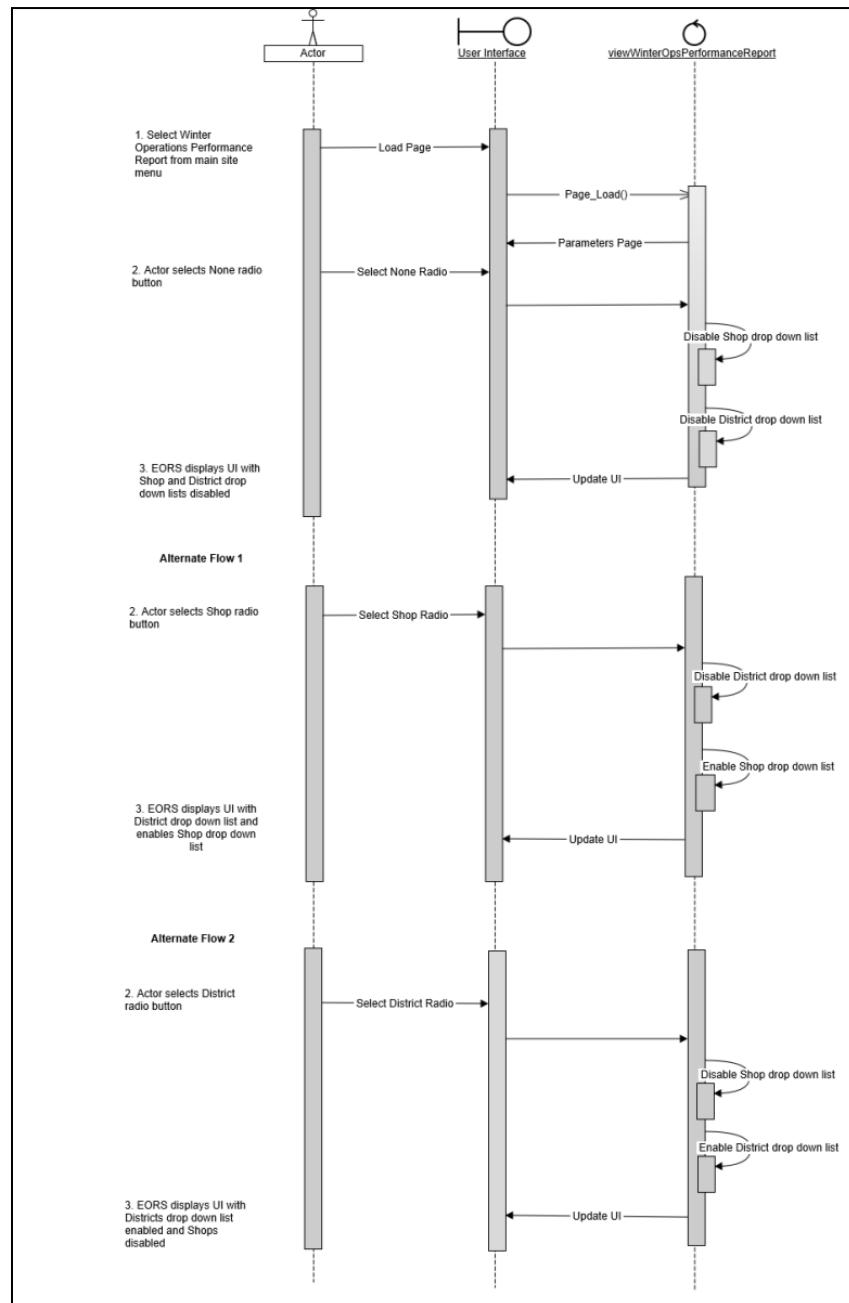


Figure 5-8: Winter Operations Performance Report Parameters Page Drilldown Sequence Diagram

5.2.1.3.4 Winter Operations Performance Report Parameters Page Event Drilldown

The following sequence diagram shows the user interactions with the Winter Operations Performance Report parameters page when the user wishes to filter report results by specific event(s).

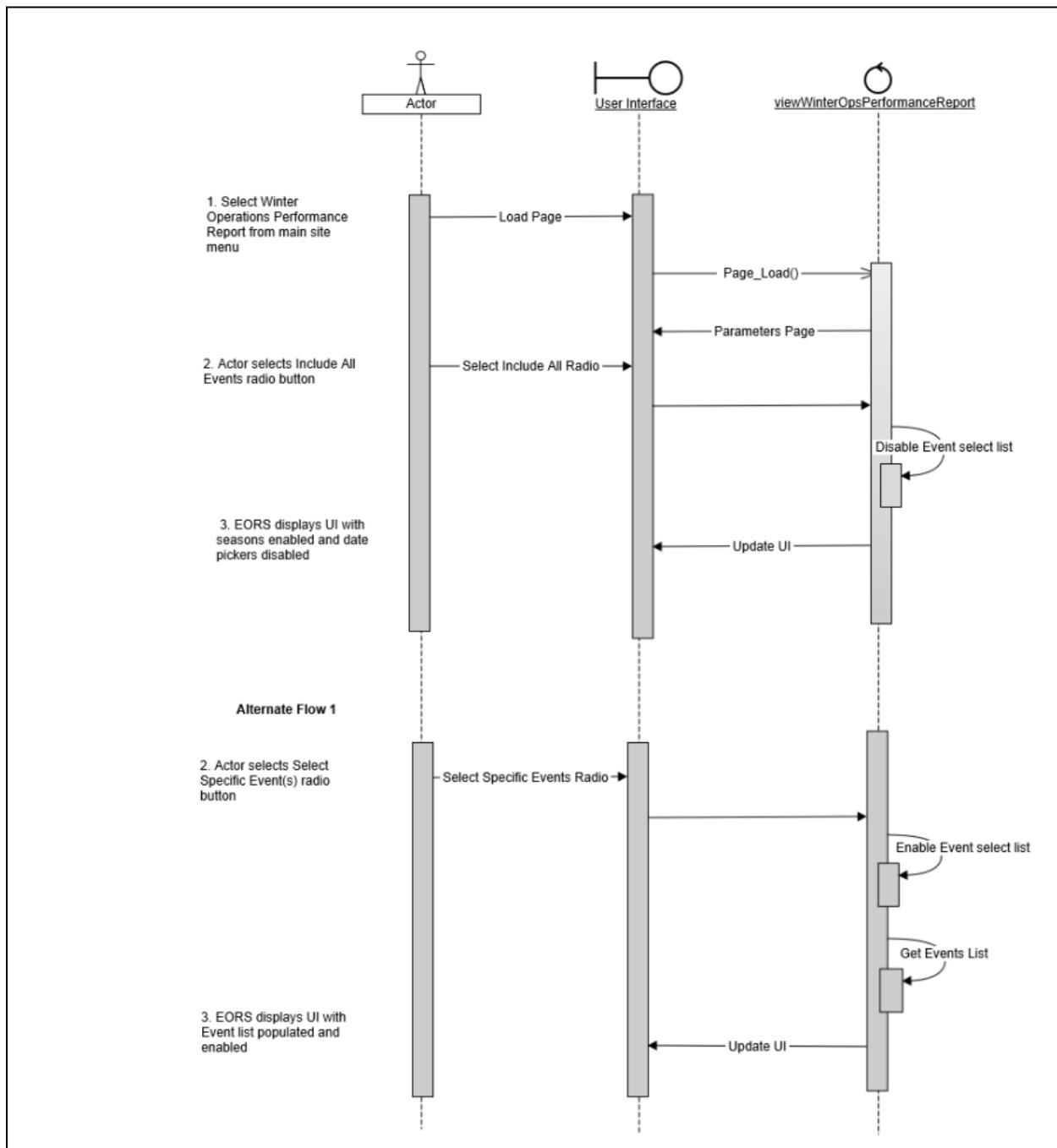


Figure 5-9: Winter Operations Performance Report Parameters Page Event Drilldown Sequence Diagram

5.2.1.3.5 Winter Operations Performance Report

The following sequence diagram shows the interactions between the user, parameters page, SQL Reporting Services and the EORSV2 database when generating a Winter Operations Performance Report.

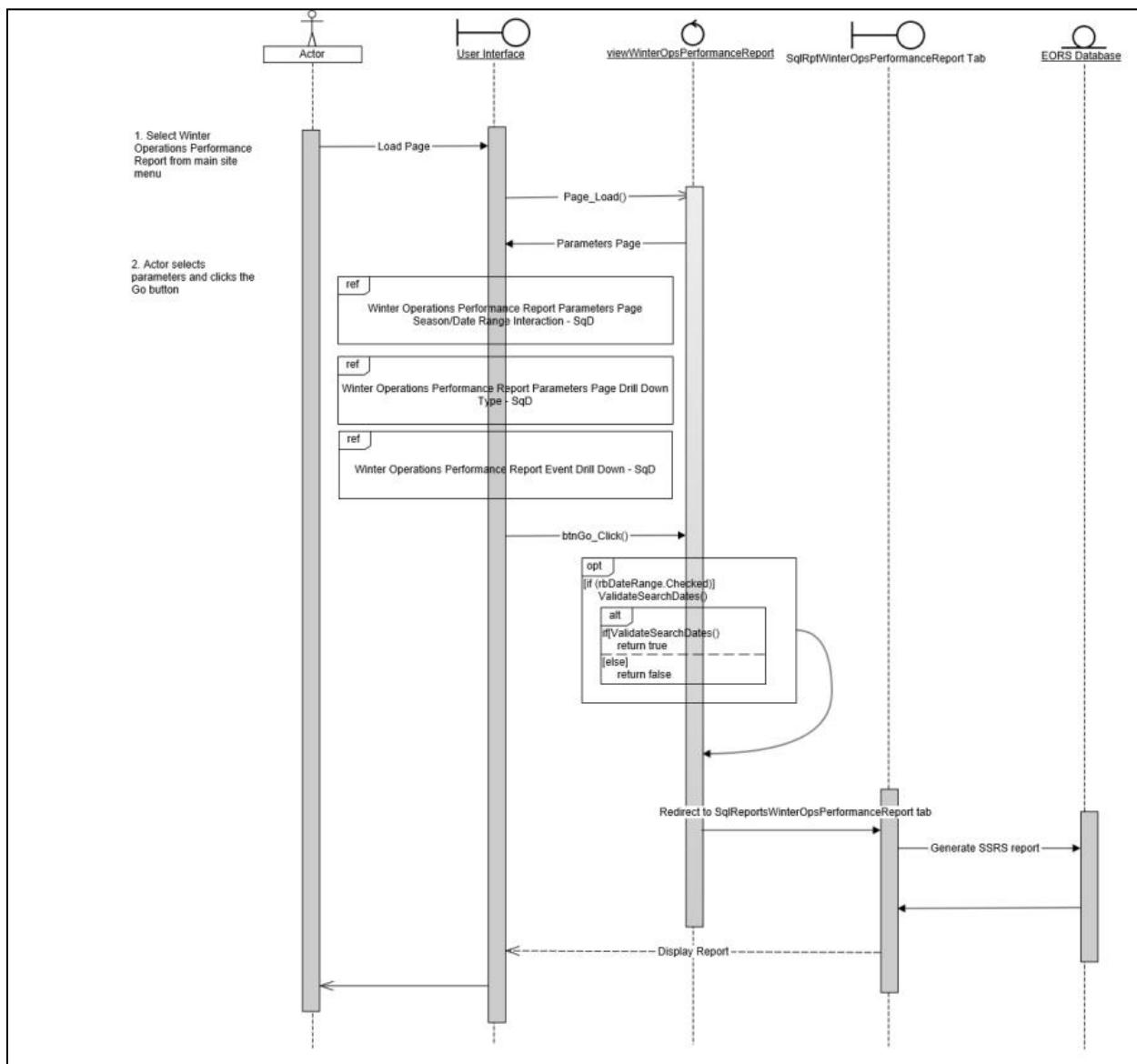


Figure 5-10: Winter Operations Performance Report Sequence Diagram

5.2.1.3.6 Assumptions and Constraints

1. No assumptions or constraints have been noted for the Winter Operations Performance Report in WO8 EORS.

5.2.1.3 *Update Calculations and Format for the Time to Restore Bare Pavement Report*

The Time to Restore Bare Pavement report provides information related to the amount of time taken to remove precipitation from the roadways beginning at the time that frozen precipitation stops falling and ending at the first report where roads are reportedly cleared of snow/ice accumulation. The report will display a row for each shop (winter) event.

The only required parameter is a date range. The date range may be sent as a season or as starting and ending dates if a partial season is desired. The report will display all events that were active during the season/date range supplied. The report may be filtered by shop or district. If a shop or district (or MDTA) is used as a parameter, only that shop/district/MDTA will be displayed in the report.

Report parameters may be combined to produce different reports. A season or date range may be combined with a shop or district to produce a report that only contains data for the specified shop/district over the given timespan.

The table below lists all of the fields that will be displayed in the report.

Field	Description
District	District number. Report is grouped by district
Shop	Shop name only. Report is ordered by shop
Season	Season that contains the report date range
Event ID	Unique ID for each event
Average Number of Events per Shop	Blank in shop rows. Used in totals rows. Sum of the district events divided by the number of shops in the district that reported
Start Time	The first shop report where precipitation has stopped (requires a prior report with frozen precipitation). Ignore any subsequent start and stops.
End Time	The first shop report where roads are reported as 'Wet' or 'Dry' (requires a prior report with some road coverage). Ignore any subsequent re-coverage of roads
Elapsed Time	End Time - Start Time
Performance Measure Met	If Elapsed Time is 4 hours or less the 'Yes'. Otherwise, 'No'.
% Success (Less than 8")	# of shops where Met Performance Measure is 'Yes' / # of shop events in the report * 100 - for maximum modified depths less than 8"

Average Hours (Less than 8")	$\sum \text{Shop Elapsed Times} / \# \text{ of shop events}$ - for maximum modified depths less than 8"
% Success (All Depths)	# of shops where Met Performance Measure is 'Yes' / # of shop events in the report * 100 - for all events
Average Hours (All Depths)	$\sum \text{Shop Elapsed Times} / \# \text{ of shop events}$ - for all events

Table 4: Time to Restore Bare Pavement Report Fields

The Time to Restore Bare Pavement report will be grouped by shop and district. When the district changes, a district averages row will be displayed. The table below lists all of the fields that will be displayed in the district averages rows:

Field	Description
District	District number
Label	Label reading "District # Averages"
Season	Season that contains the report date range
Blank Column	Event ID column does not contain any data for averages rows
Average Number of Events per Shop	# of distinct shop events / # of distinct shops in the district
Blank Column	Start Time column does not contain any data for averages rows
Blank Column	End Time column does not contain any data for averages rows
Blank Column	Elapsed Time column does not contain any data for averages rows
Blank Column	Performance Measure Met column does not contain any data for averages rows
% Success (Less than 8")	# of shops where Met Performance Measure is 'Yes' / # of shop events in the report * 100 - for maximum modified depths less than 8"
Average Hours (Less than 8")	$\sum \text{Shop Elapsed Times} / \# \text{ of shop events}$ - for maximum modified depths less than 8"
% Success (All Depths)	# of shops where Met Performance Measure is 'Yes' / # of shop events in the report * 100 - for all events
Average Hours (All Depths)	$\sum \text{Shop Elapsed Times} / \# \text{ of shop events}$ - for all events

Table 5: Time to Restore Bare Pavement Report Totals/Averages Row Fields

The Time to Restore Bare Pavement report will display a SHA (Districts 1 - 7) Averages row after the District Averages for the last SHA district in the report. The SHA (Districts 1 - 7) Averages row will contain the same fields as the District Averages rows.

The Time to Restore Bare Pavement report will display a Statewide Averages row at the end of the report. The averages in the Statewide Averages will be taken over all shops (SHA & MDTA) in the report. The Statewide Averages row will contain the same fields as the District Averages and SHA (Districts 1 - 7) rows.

The following changes to the Time to Restore Bare Pavement Report are included in WO8 EORS Release 7:

1. Remove the snow, ice and modified depth columns
2. Remove "Season to Date" from column headers
3. Two new columns for percent success and average hours to restore roads for events with accumulation s less than 8 inches will be added to the report
4. Shop totals/averages rows will be added to the report
5. Rows where data is displayed in red or blue to indicate performance measure not met or accumulation over 8 inches respectively will also be marked with an additional indicator

5.2.1.3.1 ViewTimeToRestoreRoadsReport Class Diagram

Following is the class diagram for the Time to Restore Bare Pavement Report parameters page. This class communicates with the SSRS module. The SSRS module is a COTS product so a class diagram is beyond the scope of this document.

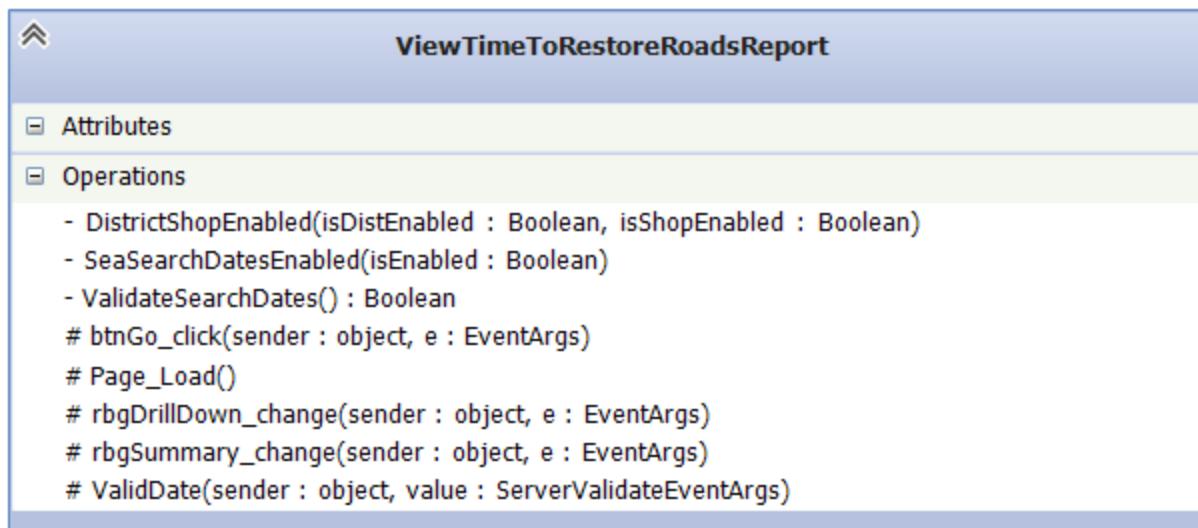
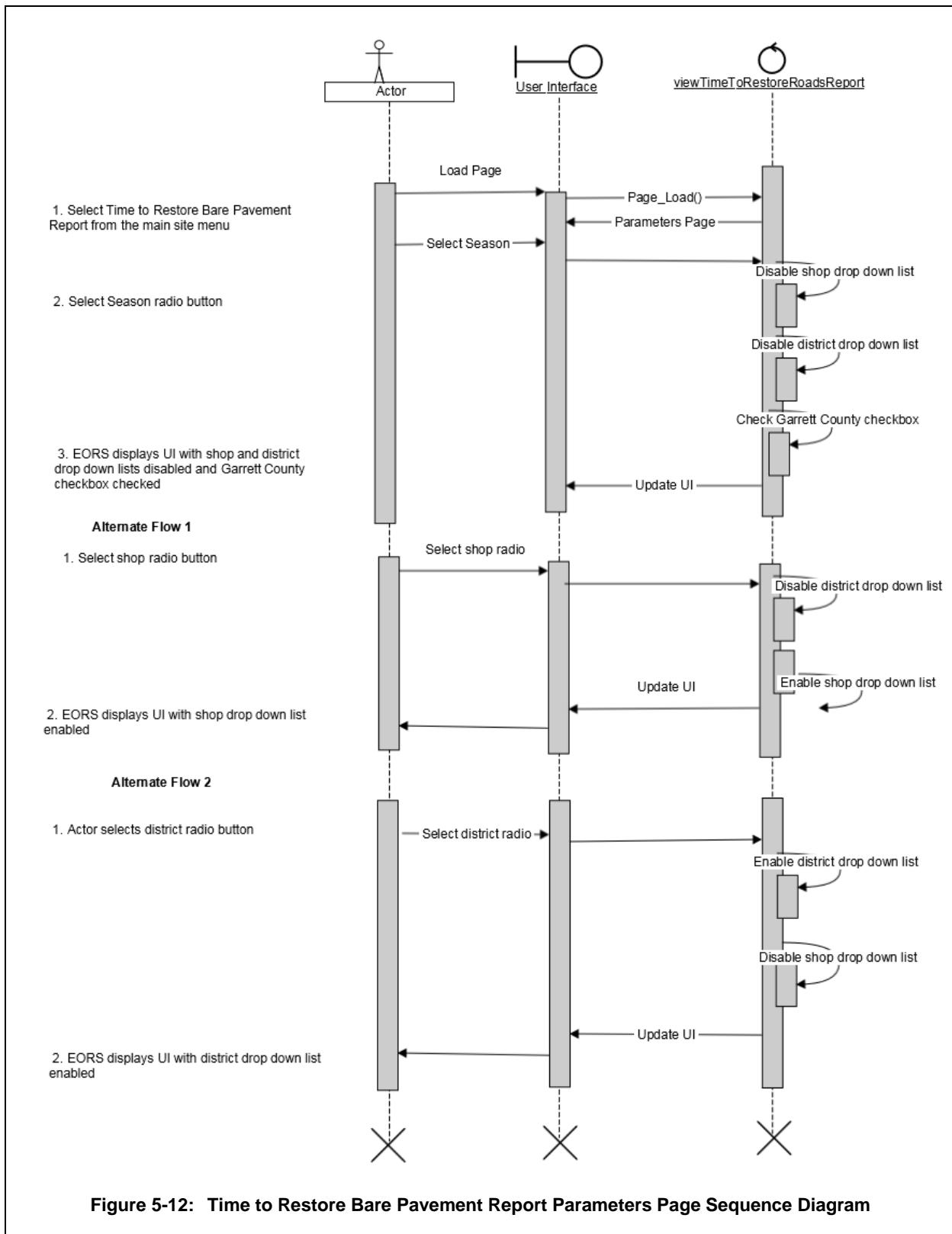


Figure 5-11: ViewTimeToRestoreRoadsReport Class Diagram

5.2.1.3.2 Time to Restore Bare Pavement Report Parameters Page Sequence Diagram

The following sequence diagram shows the possible interactions a user may have with the Time to Restore Bare Pavement parameters page. Users may run the report for a season or specific date range. Users may also elect to filter report by shop or district.



5.2.1.3.3 View Time to Restore Bare Pavement Report Sequence Diagram

The following sequence diagram depicts the interaction between the user, the Time to Restore Bare Pavement Report parameters page, SQL Reporting Services and the EORSV2 database.

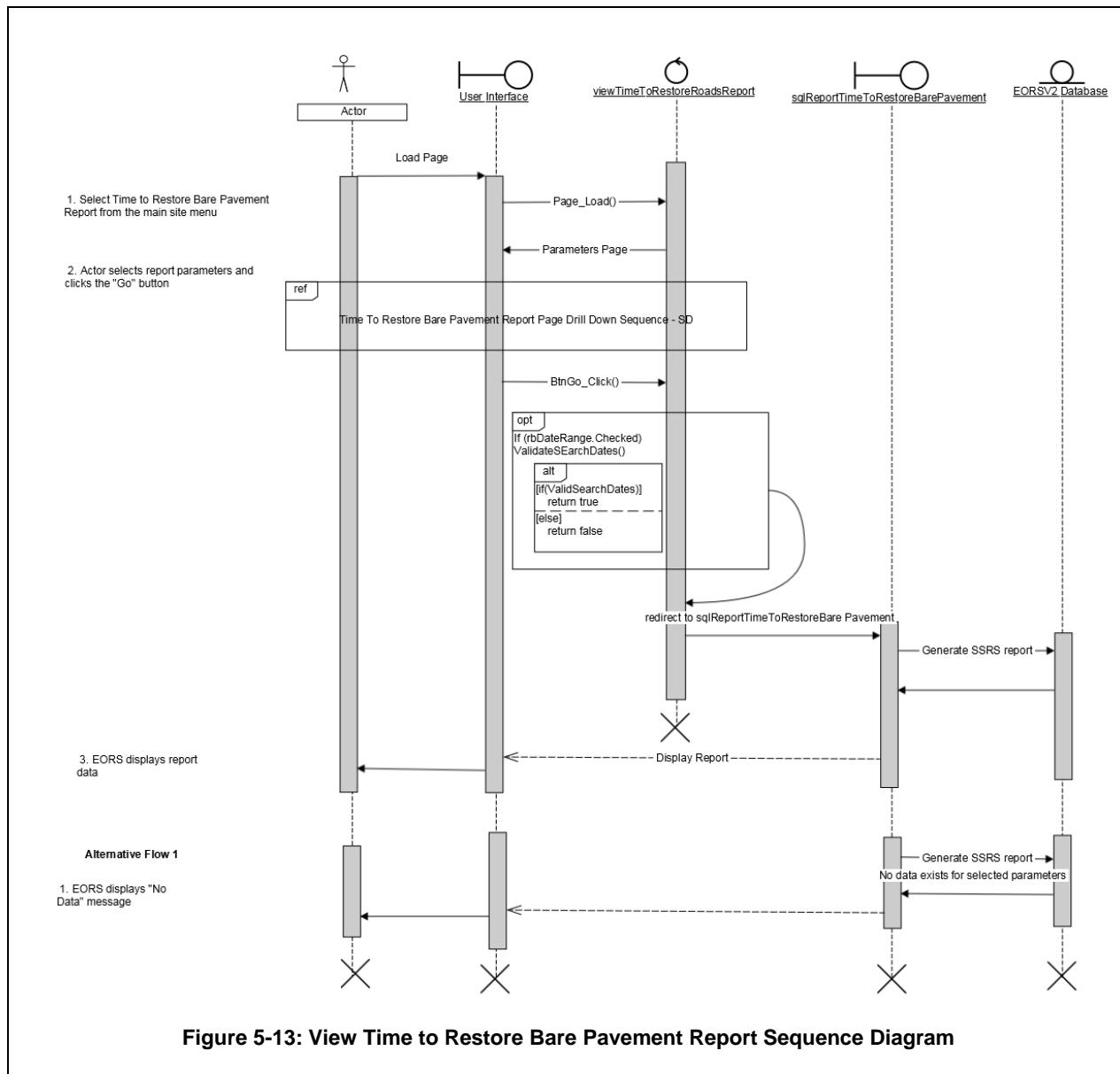


Figure 5-13: View Time to Restore Bare Pavement Report Sequence Diagram

5.2.1.4 *Create Statewide Plan*

Prior to WO8 Users would have to download a pdf of the output and then email it individually to necessary recipients. The Maryland State Highway Administration requested that functionality be added to Create Statewide Ops Plan page that would allow the user to select Outlook email distribution groups and when the report is generated email that pdf to the distribution groups. The way we are approaching it is by using the email functionality already inside DotNetNuke to handle the emailing portion and the web.config to be the repository of the Outlook distribution group email addresses. Finally there will be a new field in the Create Statewide Ops Plan page that will allow users to select which Outlook distribution groups to email the output pdf to.

The sequence diagram shows the main flow as well as the 2 alternate flows from the use case. The main flow describes the email successfully sent condition. The first alternate flow is for if the user selects no outlook groups to email. The second alternate flow show the general case of what happens if there is an error in report generation. The third alternate flow shows what happens in the case where sending an email triggers an error.

5.2.1.4.1 Create Statewide Plan Sequence Diagram

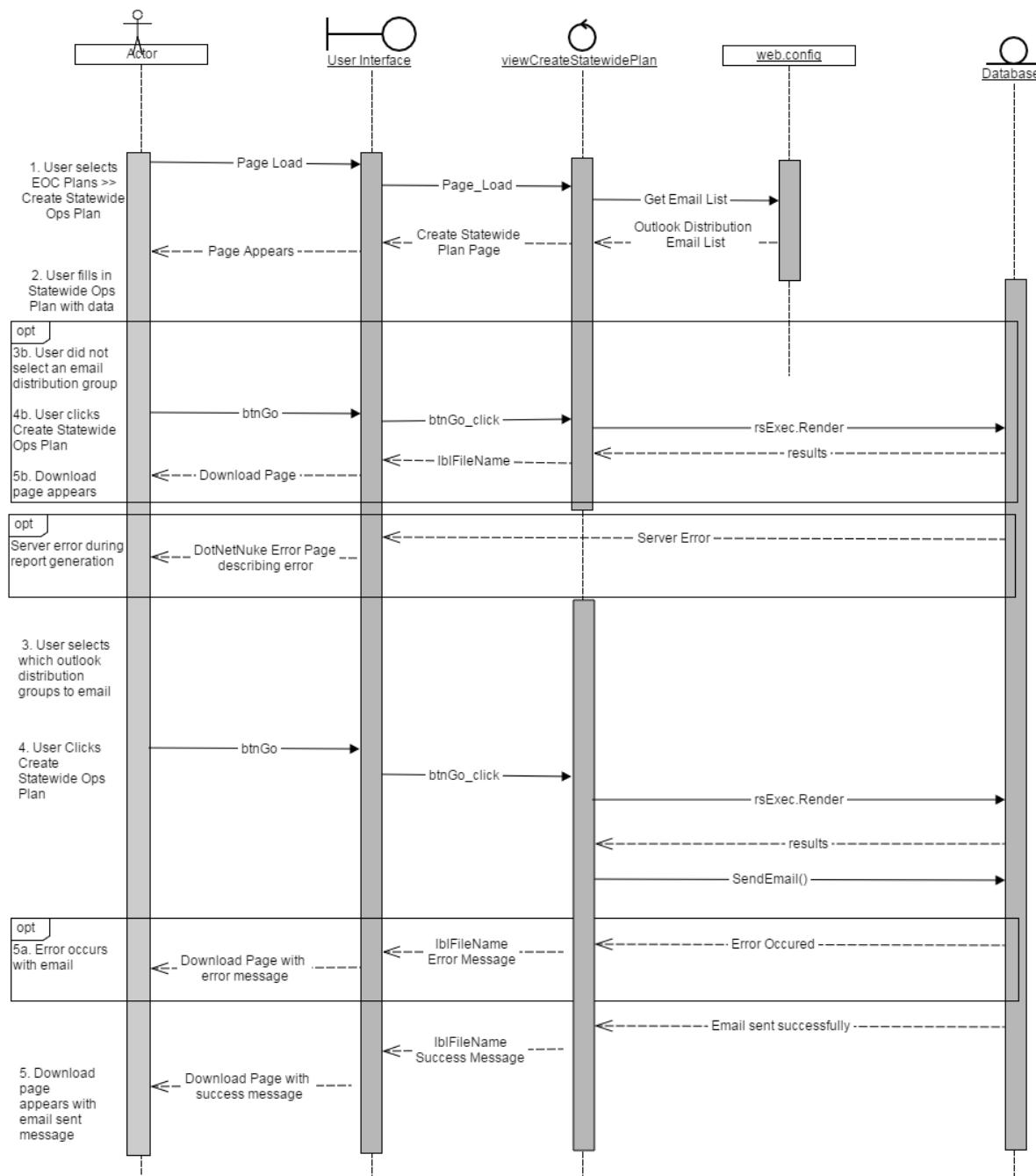


Figure 5-13: Create Statewide Plan sequence diagram

5.2.1.4.2 Assumptions and Constraints

1. Assumption: EORS admins will setup SMTP settings correctly on production
2. Assumption: System Admins will be responsible for maintaining outlook distribution groups.
3. Constraint: email attachments will be limited to the allowable constraints of the configured SMTP server. This size is normally 10mb. This means that if a report exceeds those limits, there will be an error in sending it out.

5.3 Internal Communications Detailed Design

The following diagram depicts the high level communications/interactions among EORS and other CHART and external components.

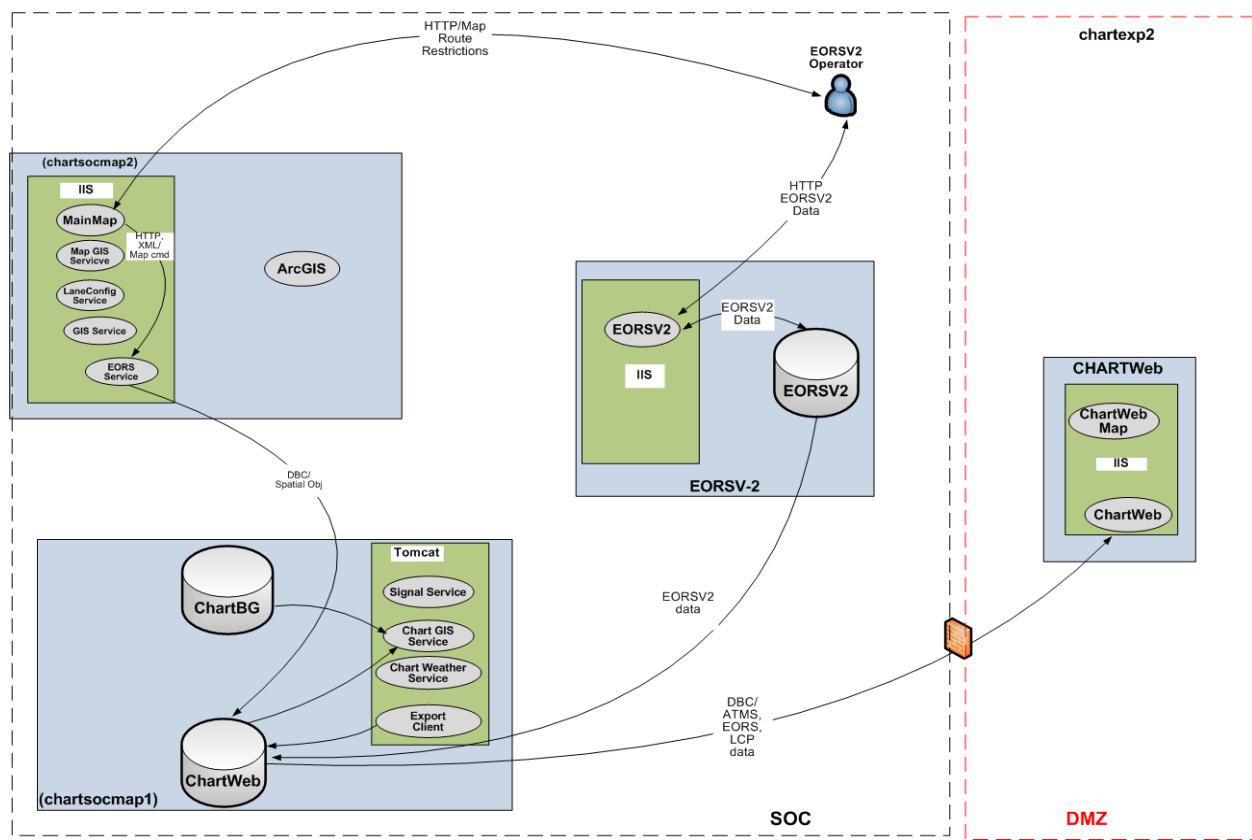


Figure 5-14: EORS Internal Interfaces

6 EXTERNAL INTERFACES

This section describes the external interfaces utilized by EORS. There are no interfaces being added or modified in Release 7 of CHART EORS. See Figure 6-1.

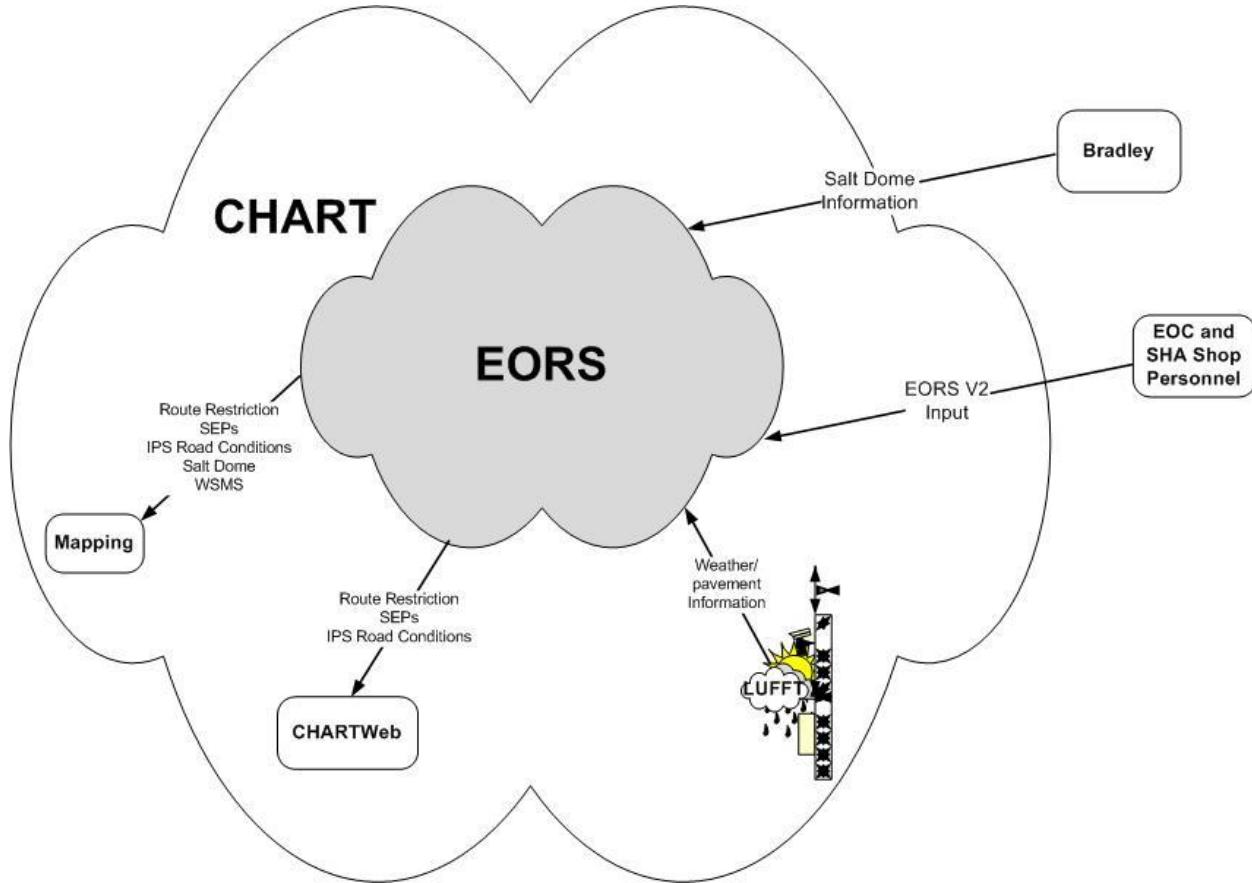


Figure 6-1. EORS and External Interfaces

6.1 Interface Architecture

For EORS R7, there are no changes to the external interfaces.

6.2 Interface Detailed Design

For EORS R7, there are no changes to the external interfaces.

7 SYSTEM INTEGRITY CONTROLS

This section describes the security and integrity controls being added or modified in Release 7 of EORS. Features being added for EORS Release 7 do not change security aspects of EORS.

APPENDIX A. MAPPING TO REQUIREMENTS

The table below shows how the new and modified requirements in the EORS R7 Requirements document map to design elements contained in this design.

Use Case	Design Elements
UC-1.1 Salt Usage Report - No data	<ul style="list-style-type: none">• Salt Usage Report - CD• Salt Usage Report Overview - SqD• Salt Usage Report Parameters Page Drill Down - SqD• Salt Usage Report Parameters Page Events - SqD• Salt Usage Report Parameters Page Season/Date Range Interaction - SqD
UC-1.2 Salt Usage Report - Default Parameters	<ul style="list-style-type: none">• Salt Usage Report - CD• Salt Usage Report Overview - SqD• Salt Usage Report Parameters Page Drill Down - SqD• Salt Usage Report Parameters Page Events - SqD• Salt Usage Report Parameters Page Season/Date Range Interaction - SqD
UC-1.3 Salt Usage Summary Report - Default Parameters	<ul style="list-style-type: none">• Salt Usage Report - CD• Salt Usage Report Overview - SqD• Salt Usage Report Parameters Page Drill Down - SqD• Salt Usage Report Parameters Page Events - SqD• Salt Usage Report Parameters Page Season/Date Range Interaction - SqD
UC-1.4 Salt Usage Summary Report - Filter by MDTA	<ul style="list-style-type: none">• Salt Usage Report - CD• Salt Usage Report Overview - SqD

	<ul style="list-style-type: none"> • Salt Usage Report Parameters Page Drill Down - SqD • Salt Usage Report Parameters Page Events - SqD • Salt Usage Report Parameters Page Season/Date Range Interaction - SqD
UC-1.5 Salt Usage Report - Filter by Shop	<ul style="list-style-type: none"> • Salt Usage Report - CD • Salt Usage Report Overview - SqD • Salt Usage Report Parameters Page Drill Down - SqD • Salt Usage Report Parameters Page Events - SqD • Salt Usage Report Parameters Page Season/Date Range Interaction - SqD
UC-1.6 Salt Usage Report - Filter by District	<ul style="list-style-type: none"> • Salt Usage Report - CD • Salt Usage Report Overview - SqD • Salt Usage Report Parameters Page Drill Down - SqD • Salt Usage Report Parameters Page Events - SqD • Salt Usage Report Parameters Page Season/Date Range Interaction - SqD
UC-1.7 Salt Usage Report - Filter by Event	<ul style="list-style-type: none"> • Salt Usage Report - CD • Salt Usage Report Overview - SqD • Salt Usage Report Parameters Page Drill Down - SqD • Salt Usage Report Parameters Page Events - SqD • Salt Usage Report Parameters Page Season/Date Range Interaction - SqD
UC-2.1 Time to Restore Bare Pavement – No Data	<ul style="list-style-type: none"> • ViewTimeToRestoreRoadsReport Class Diagram • Time to Restore Bare Pavement Report Parameters Page Sequence Diagram

	<ul style="list-style-type: none"> • Table 6: Time to Restore Bare Pavement Report Fields • Table 7: Time to Restore Bare Pavement Report Totals/Averages Row Fields • Time to Restore Bare Pavement Parameters Page - Default View Screen Shot • Time to Restore Bare Pavement Report Parameters Page Date Range Screen Shot • Time to Restore Bare Pavement Report No Data Screen Shot • Time to Restore Bare Pavement Report w/ Events Screen Shot
UC-2.2 Time to Restore Bare Pavement – Default Parameters	<ul style="list-style-type: none"> • ViewTimeToRestoreRoadsReport Class Diagram • View Time to Restore Bare Pavement Report Sequence Diagram • Time to Restore Bare Pavement Report Parameters Page Sequence Diagram • Table 8: Time to Restore Bare Pavement Report Fields • Table 9: Time to Restore Bare Pavement Report Totals/Averages Row Fields • Time to Restore Bare Pavement Parameters Page - Default View Screen Shot • Time to Restore Bare Pavement Report Parameters Page Date Range Screen Shot • Time to Restore Bare Pavement Report w/ Events Screen Shot • Time to Restore Bare Pavement Report Totals Rows Screen Shot
UC-2.3 Time to Restore Bare Pavement – Without Garrett County	<ul style="list-style-type: none"> • ViewTimeToRestoreRoadsReport Class Diagram • View Time to Restore Bare Pavement Report Sequence Diagram • Time to Restore Bare Pavement Report Parameters Page Sequence Diagram • Table 10: Time to Restore Bare Pavement Report Fields • Table 11: Time to Restore Bare Pavement Report Totals/Averages Row Fields • Time to Restore Bare Pavement Parameters Page - Default View Screen Shot • Time to Restore Bare Pavement Report Parameters Page Date Range Screen Shot • Time to Restore Bare Pavement Report w/ Events Screen Shot • Time to Restore Bare Pavement Report Totals Rows Screen Shot

UC-2.4 Time to Restore Bare Pavement – Filter by District	<ul style="list-style-type: none"> • ViewTimeToRestoreRoadsReport Class Diagram • View Time to Restore Bare Pavement Report Sequence Diagram • Time to Restore Bare Pavement Report Parameters Page Sequence Diagram • Table 12: Time to Restore Bare Pavement Report Fields • Table 13: Time to Restore Bare Pavement Report Totals/Averages Row Fields • Time to Restore Bare Pavement Parameters Page - Default View Screen Shot • Time to Restore Bare Pavement Report Parameters Page Date Range Screen Shot • Time to Restore Bare Pavement Report Parameters Page District Drilldown Screen Shot • Time to Restore Bare Pavement Report w/ Events Screen Shot • Time to Restore Bare Pavement Report Totals Rows Screen Shot
UC-2.5 Time to Restore Bare Pavement – Filter by Shop	<ul style="list-style-type: none"> • ViewTimeToRestoreRoadsReport Class Diagram • View Time to Restore Bare Pavement Report Sequence Diagram • Time to Restore Bare Pavement Report Parameters Page Sequence Diagram • Table 14: Time to Restore Bare Pavement Report Fields • Table 15: Time to Restore Bare Pavement Report Totals/Averages Row Fields • Time to Restore Bare Pavement Parameters Page - Default View Screen Shot • Time to Restore Bare Pavement Report Parameters Page Date Range Screen Shot • Time to Restore Bare Pavement Report Parameters Page Shop Drilldown Screen Shot • Time to Restore Bare Pavement Report w/ Events Screen Shot
UC-3.1 Winter Operations Performance Report – No Data	<ul style="list-style-type: none"> • ViewWinterOpsPerformanceReport Class Diagram • Winter Operations Performance Report Parameters Page Drilldown Sequence Diagram • Winter Operations Performance Report Sequence Diagram • Table 16: Winter Operations Performance Report Parameters • Operations Performance Report Parameters Page Default View Screen Shot

	<ul style="list-style-type: none"> • Winter Operations Performance Report Parameters Page Date Range Screen Shot • Winter Operations Performance Report – No Data Screen Shot
UC-3.2 Winter Operations Performance Report – Default Parameters	<ul style="list-style-type: none"> • ViewWinterOpsPerformanceReport Class Diagram • Winter Operations Performance Report Parameters Page Sequence Diagram • Winter Operations Performance Report Parameters Page Drilldown Sequence Diagram • Winter Operations Performance Report Sequence Diagram • Table 17: Winter Operations Performance Report Fields • Table 18: Winter Operations Performance Report Parameters • Operations Performance Report Parameters Page Default View Screen Shot • Winter Operations Performance Report Parameters Page Date Range Screen Shot • Winter Operations Performance Report Default View Screen Shot
UC-3.3 Winter Operations Performance Report – Filter by District	<ul style="list-style-type: none"> • ViewWinterOpsPerformanceReport Class Diagram • Winter Operations Performance Report Parameters Page Sequence Diagram • Winter Operations Performance Report Parameters Page Drilldown Sequence Diagram • Winter Operations Performance Report Sequence Diagram • Table 19: Winter Operations Performance Report Fields • Table 20: Winter Operations Performance Report Parameters • Operations Performance Report Parameters Page Default View Screen Shot • Winter Operations Performance Report Parameters Page Date Range Screen Shot • Winter Operations Performance Report District Drilldown Screen Shot
UC-3.4 Winter Operations Performance Report – Filter by Shop	<ul style="list-style-type: none"> • ViewWinterOpsPerformanceReport Class Diagram • Winter Operations Performance Report Parameters Page Sequence Diagram • Winter Operations Performance Report Parameters Page

	<ul style="list-style-type: none"> • Drilldown Sequence Diagram • Winter Operations Performance Report Sequence Diagram • Table 21: Winter Operations Performance Report Fields • Table 22: Winter Operations Performance Report Parameters • Operations Performance Report Parameters Page Default View Screen Shot • Winter Operations Performance Report Parameters Page Date Range Screen Shot • Operations Performance Report Shop Drilldown Screen Shot
UC-3.5 Winter Operations Performance Report – Filter by Event(s)	<ul style="list-style-type: none"> • ViewWinterOpsPerformanceReport Class Diagram • Winter Operations Performance Report Parameters Page Sequence Diagram • Winter Operations Performance Report Parameters Page Drilldown Sequence Diagram • Operations Performance Report Parameters Page • Winter Operations Performance Report Sequence Diagram Event Drilldown Sequence Diagram • Table 23: Winter Operations Performance Report Fields • Table 24: Winter Operations Performance Report Parameters • Operations Performance Report Parameters Page Default View Screen Shot • Winter Operations Performance Report Parameters Page Date Range Screen Shot • Winter Operations Performance Report Parameters Page Specify Event(s) Screen Shot • Winter Operations Performance Report Default View Screen Shot
UC-5.0 Send Statewide Ops Plan output pdf in email to Outlook Distribution group	<ul style="list-style-type: none"> • Create Statewide Ops Plan Sequence diagram • Images of New Create Statewide Ops Plan page